



SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No | SERVICE ITEM | SERVICE INTERVAL |      |  | NOTES |
|----|--------------|------------------|------|--|-------|
|    |              | MONTHS           | 33   |  |       |
|    |              | HOURS            | 1100 |  |       |

|     |                                                              |  |       |  |  |
|-----|--------------------------------------------------------------|--|-------|--|--|
|     | <b>ENGINE</b>                                                |  |       |  |  |
| E2  | Check / Change engine oil                                    |  | I     |  |  |
| E3  | Cleaning / Replace of air cleaner element                    |  | C     |  |  |
| E4  | Cleaning / Replace fuel filter                               |  | C     |  |  |
| E5  | Check battery electrolyte level                              |  | I     |  |  |
| E6  |                                                              |  |       |  |  |
| E7  | Replace oil filter cartridge                                 |  |       |  |  |
| E8  | Check / Replace intake air line                              |  |       |  |  |
| E9  | Clean sediment out of fuel tank                              |  |       |  |  |
| E10 | Check / Replace fuel line                                    |  | I     |  |  |
| E11 | Check / Change radiator coolant                              |  | I     |  |  |
| E12 | Check / Replace fan belt                                     |  | I     |  |  |
| E13 | Check valve clearance                                        |  |       |  |  |
| E14 | Check fuel injection nozzle injection pressure               |  |       |  |  |
| E15 | Check injection pump                                         |  |       |  |  |
| E16 | Check battery electrolyte level test                         |  | I     |  |  |
| E17 | Check / Replace fuel pipes and clamp bands                   |  | I     |  |  |
| E18 | Check exhaust and manifold bolts for security                |  | T     |  |  |
| E19 | Check engine throttle / stop mounting and operation          |  | T     |  |  |
| E20 | Check engine speed is set correctly                          |  |       |  |  |
| E21 | Check stop system is functions correctly                     |  | I     |  |  |
| E22 | Check all engine bolts                                       |  |       |  |  |
|     | <b>HYDRAULIC SYSTEM</b>                                      |  |       |  |  |
| H1  | Change high pressure filter                                  |  | I     |  |  |
| H2  | Change hydraulic return filter                               |  | I     |  |  |
| H3  | Take oil sample and change when required                     |  |       |  |  |
| H4  | Clean / Change hydraulic breather cap filter                 |  | C     |  |  |
| H5  | Check hydraulic hose and tube fittings                       |  | T     |  |  |
| H6  | Check all tube clamps are secure                             |  | I     |  |  |
| H7  | Check / Record system pressures (Adjust if required)         |  | Ik    |  |  |
| H8  | Check cylinder valves for leaks or replace O rings           |  | I     |  |  |
| H9  | Check / Replace overcenter check valve cap screws            |  |       |  |  |
| H10 | Check Danfoss valves for oil leaks                           |  | I     |  |  |
| H11 |                                                              |  |       |  |  |
| H12 | Check overcenter cartridge lock nuts are tight               |  | T     |  |  |
| H13 | Record high speed times of top and bottom arms               |  |       |  |  |
| H14 | Check hydraulic motors for leaks                             |  | I     |  |  |
| H15 | Check for any damaged hydraulic tubes (Replace as required ) |  | I     |  |  |
| H16 | Check all hoses for wear or damage                           |  | I     |  |  |
| H17 | Check cylinder case or rod for any damage or leaks           |  | I     |  |  |
| H18 | Check PTO mounting bolts and prop shaft                      |  | I     |  |  |
| H19 | Check PTO mountings and couplings                            |  | I / C |  |  |
| H20 | Check pump drive coupling (Power pack)                       |  |       |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

| No  | SERVICE ITEM                                                     | SERVICE INTERVAL |      |  | NOTES |
|-----|------------------------------------------------------------------|------------------|------|--|-------|
|     |                                                                  | MONTHS           | 33   |  |       |
|     |                                                                  | HOURS            | 1100 |  |       |
|     | <b>STRUCTURE</b>                                                 |                  |      |  |       |
| S1  | Check G pins for wear and movement                               |                  |      |  |       |
| S2  | Check all bushes for wear                                        |                  |      |  |       |
| S3  | Check all pin keepers                                            |                  | I    |  |       |
| S4  | Check all crane base bash plates for damage                      |                  | I    |  |       |
| S5  | Check / Strengthen off side bash plate                           |                  | I    |  |       |
| S6  | Check all arm / legs and crane bases for cracks                  |                  | I    |  |       |
| S7  | Clean chassis top flange surface                                 |                  | C    |  |       |
| S8  | Check load transfer clearance and torque bolts                   |                  | T    |  |       |
| S9  | Check all hose guide systems for damage and location             |                  | I    |  |       |
| S10 | Check twistlocks and twistlock handles                           |                  | I    |  |       |
| S11 | Check hammer locks and lifting lugs                              |                  | I    |  |       |
| S12 | Check all crane base lock position on chassis for damage or wear |                  | I    |  |       |
| S13 | Check center beam slides for foot clearance                      |                  | I    |  |       |
| S14 | Check center beam slide stops                                    |                  | I    |  |       |
| S15 | Check center beam slide chains and eye bolts                     |                  | I    |  |       |
| S16 | Check crane base guide angles for bends and cracks               |                  | I    |  |       |
| S17 | Check nylon track aluminum is torque to chassis                  |                  | T    |  |       |
| S18 | Check nylon track is tight / and not damaged                     |                  | T    |  |       |
| S19 | Check linklocks for damage or wear                               |                  | I    |  |       |
| S20 | Check chassis for cracks and distortion                          |                  | I    |  |       |
| S21 | Check king pin and rub plate                                     |                  | I    |  |       |
| S22 | Grease crane base locks                                          |                  | G    |  |       |
| S23 | Grease arms                                                      |                  | Gi   |  |       |
| S24 | Grease T/B locks                                                 |                  | G    |  |       |
| S25 | Grease landing legs                                              |                  | G    |  |       |
|     | <b>SYSTEM TESTS AND ADJUSTMENTS</b>                              |                  |      |  |       |
| A1  | Check leg angle system                                           |                  | I    |  |       |
| A2  | Check crane base locking system                                  |                  | I    |  |       |
| A3  | Check timing and synchronization                                 |                  |      |  |       |
| A4  | Check radio remote settings                                      |                  |      |  |       |
| A5  | Check ignition stop for radio remote                             |                  | I    |  |       |
| A6  | Check safety system functions                                    |                  | I    |  |       |
| A7  | Check optical sensor                                             |                  | I    |  |       |
| A8  | Check system pressures                                           |                  | lo   |  |       |
| A9  | Check E stops                                                    |                  | I    |  |       |
| A10 | Check rack and pinion adjustments                                |                  | le   |  |       |
| A11 | Check side guide clearance                                       |                  | I    |  |       |
| A12 | Check load transfer clearance and wear pads                      |                  | I    |  |       |
| A13 | Check PVG 32 neutral points for coils                            |                  |      |  |       |
| A14 | Check Sidelifter night light system                              |                  | I    |  |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |                  | I    |  |       |
| A16 | Check all warning beepers                                        |                  | I    |  |       |
| A17 | Check manual override system                                     |                  | I    |  |       |
| A18 | Check steer axle system                                          |                  | I    |  |       |
| A19 | Check lift axle system                                           |                  | I    |  |       |
| A20 | Check lifting chains                                             |                  | I    |  |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |                  | I    |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

| No   | SERVICE ITEM                                                                                                                             | MONTHS |      | 33 | NOTES |  |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|--------|------|----|-------|--|--|--|--|
|      |                                                                                                                                          |        |      |    |       |  |  |  |  |
|      |                                                                                                                                          | HOURS  | 1100 |    |       |  |  |  |  |
|      | ELECTRICAL SYSTEM                                                                                                                        |        |      |    |       |  |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |        | I    |    |       |  |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |        | I    |    |       |  |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |        | I    |    |       |  |  |  |  |
| EL4  | Check cables / plugs and Aerial connections for radio remote                                                                             |        | I    |    |       |  |  |  |  |
| EL5  | Check battery connection                                                                                                                 |        | I    |    |       |  |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |        | I    |    |       |  |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |        |      |    |       |  |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |        |      |    |       |  |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |        |      |    |       |  |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |        | I    |    |       |  |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |        | I    |    |       |  |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |        |      |    |       |  |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |        | I    |    |       |  |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |        | I    |    |       |  |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |        | I    |    |       |  |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |        | I    |    |       |  |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |        |      |    |       |  |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |        | T    |    |       |  |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |        | I    |    |       |  |  |  |  |
|      | SMARTlift                                                                                                                                |        |      |    |       |  |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |        | T    |    |       |  |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |        | I    |    |       |  |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies                                                                                            |        | T    |    |       |  |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |        | T    |    |       |  |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |        | I    |    |       |  |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |        | I    |    |       |  |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |        | I    |    |       |  |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |        | I    |    |       |  |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1                                                                                                |        | I    |    |       |  |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |        | I    |    |       |  |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |        | I    |    |       |  |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |        | I    |    |       |  |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |        | I    |    |       |  |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |        | I    |    |       |  |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |        | I    |    |       |  |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |        | I    |    |       |  |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |        | I    |    |       |  |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |        | I    |    |       |  |  |  |  |
| SL19 | Check Calibration                                                                                                                        |        | I    |    |       |  |  |  |  |

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

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WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |      | MONTHS | 33 |  | NOTES |  |  |  |  |
|-------|--------------------------------------------------------|------------------|------|--------|----|--|-------|--|--|--|--|
|       |                                                        |                  |      |        |    |  |       |  |  |  |  |
|       |                                                        | HOURS            | 1100 |        |    |  |       |  |  |  |  |
|       | SUSPENSION, AXLES, BRAKES AND RUNNING GEAR             |                  |      |        |    |  |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |                  | I    |        |    |  |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  | u    |        |    |  |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                  | t    |        |    |  |       |  |  |  |  |
|       | ABS SYSTEM CHECKS                                      |                  |      |        |    |  |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |                  | I    |        |    |  |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |                  | Cc   |        |    |  |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |                  | IC   |        |    |  |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                  |      |        |    |  |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  | C    |        |    |  |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |                  |      |        |    |  |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  |      |        |    |  |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  | I    |        |    |  |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  | I    |        |    |  |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  | I    |        |    |  |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  | I    |        |    |  |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  | I    |        |    |  |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |                  | I    |        |    |  |       |  |  |  |  |
| ABS14 | System test                                            |                  |      |        |    |  |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



|                                                                |                                 |
|----------------------------------------------------------------|---------------------------------|
| <p><b>STEELBRO</b></p> <p><b>PRESSURE<br/>RECORD SHEET</b></p> | DATE:.....                      |
|                                                                | SERVICE REFERENCE:.....         |
|                                                                | COMPANY:.....                   |
|                                                                | CONTACT NAME:.....              |
|                                                                | SERVICE ENGINEER NAME:<br>..... |
| SERIAL NUMBER:.....                                            |                                 |

**HYDRAULIC SYSTEM OPERATIONAL PRESSURES**

**HIGH SPEED PRESSURES**

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

**LOW SPEED PRESSURES**

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No | SERVICE ITEM | SERVICE INTERVAL |      |  | NOTES |
|----|--------------|------------------|------|--|-------|
|    |              | MONTHS           | 36   |  |       |
|    |              | HOURS            | 1200 |  |       |

|     |                                                              |  |       |  |  |
|-----|--------------------------------------------------------------|--|-------|--|--|
|     | <b>ENGINE</b>                                                |  |       |  |  |
| E2  | Check / Change engine oil                                    |  | R     |  |  |
| E3  | Cleaning / Replace of air cleaner element                    |  | R     |  |  |
| E4  | Cleaning / Replace fuel filter                               |  | R     |  |  |
| E5  | Check battery electrolyte level                              |  | I     |  |  |
| E6  |                                                              |  | I     |  |  |
| E7  | Replace oil filter cartridge                                 |  | R     |  |  |
| E8  | Check / Replace intake air line                              |  | I     |  |  |
| E9  | Clean sediment out of fuel tank                              |  |       |  |  |
| E10 | Check / Replace fuel line                                    |  | S     |  |  |
| E11 | Check / Change radiator coolant                              |  | I     |  |  |
| E12 | Check / Replace fan belt                                     |  | I     |  |  |
| E13 | Check valve clearance                                        |  |       |  |  |
| E14 | Check fuel injection nozzle injection pressure               |  |       |  |  |
| E15 | Check injection pump                                         |  |       |  |  |
| E16 | Check battery electrolyte level test                         |  | I     |  |  |
| E17 | Check / Replace fuel pipes and clamp bands                   |  | I     |  |  |
| E18 | Check exhaust and manifold bolts for security                |  | T     |  |  |
| E19 | Check engine throttle / stop mounting and operation          |  | T     |  |  |
| E20 | Check engine speed is set correctly                          |  | I     |  |  |
| E21 | Check stop system is functions correctly                     |  | I     |  |  |
| E22 | Check all engine bolts                                       |  | T     |  |  |
|     | <b>HYDRAULIC SYSTEM</b>                                      |  |       |  |  |
| H1  | Change high pressure filter                                  |  | R     |  |  |
| H2  | Change hydraulic return filter                               |  | R     |  |  |
| H3  | Take oil sample and change when required                     |  | E     |  |  |
| H4  | Clean / Change hydraulic breather cap filter                 |  | R     |  |  |
| H5  | Check hydraulic hose and tube fittings                       |  | T     |  |  |
| H6  | Check all tube clamps are secure                             |  | T     |  |  |
| H7  | Check / Record system pressures (Adjust if required)         |  | Ik    |  |  |
| H8  | Check cylinder valves for leaks or replace O rings           |  | R     |  |  |
| H9  | Check / Replace overcenter check valve cap screws            |  | T     |  |  |
| H10 | Check Danfoss valves for oil leaks                           |  | I     |  |  |
| H11 |                                                              |  |       |  |  |
| H12 | Check overcenter cartridge lock nuts are tight               |  | I     |  |  |
| H13 | Record high speed times of top and bottom arms               |  | Ih    |  |  |
| H14 | Check hydraulic motors for leaks                             |  | I     |  |  |
| H15 | Check for any damaged hydraulic tubes (Replace as required ) |  | I     |  |  |
| H16 | Check all hoses for wear or damage                           |  | I     |  |  |
| H17 | Check cylinder case or rod for any damage or leaks           |  | T     |  |  |
| H18 | Check PTO mounting bolts and prop shaft                      |  | T     |  |  |
| H19 | Check PTO mountings and couplings                            |  | I / C |  |  |
| H20 | Check pump drive coupling (Power pack)                       |  | I     |  |  |

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

| No  | SERVICE ITEM                                                     | SERVICE INTERVAL |      | MONTHS | 36 | NOTES |
|-----|------------------------------------------------------------------|------------------|------|--------|----|-------|
|     |                                                                  |                  |      |        |    |       |
|     |                                                                  | HOURS            | 1200 |        |    |       |
|     |                                                                  |                  |      |        |    |       |
|     | STRUCTURE                                                        |                  |      |        |    |       |
| S1  | Check G pins for wear and movement                               |                  |      | ld     |    |       |
| S2  | Check all bushes for wear                                        |                  |      | I      |    |       |
| S3  | Check all pin keepers                                            |                  |      | T      |    |       |
| S4  | Check all crane base bash plates for damage                      |                  |      | I      |    |       |
| S5  | Check / Strengthen off side bash plate                           |                  |      | I      |    |       |
| S6  | Check all arm / legs and crane bases for cracks                  |                  |      | I      |    |       |
| S7  | Clean chassis top flange surface                                 |                  |      | C      |    |       |
| S8  | Check load transfer clearance and torque bolts                   |                  |      | T      |    |       |
| S9  | Check all hose guide systems for damage and location             |                  |      | I      |    |       |
| S10 | Check twistlocks and twistlock handles                           |                  |      | I      |    |       |
| S11 | Check hammer locks and lifting lugs                              |                  |      | I      |    |       |
| S12 | Check all crane base lock position on chassis for damage or wear |                  |      | I      |    |       |
| S13 | Check center beam slides for foot clearance                      |                  |      | I      |    |       |
| S14 | Check center beam slide stops                                    |                  |      | I      |    |       |
| S15 | Check center beam slide chains and eye bolts                     |                  |      | I      |    |       |
| S16 | Check crane base guide angles for bends and cracks               |                  |      | I      |    |       |
| S17 | Check nylon track aluminum is torque to chassis                  |                  |      | T      |    |       |
| S18 | Check nylon track is tight / and not damaged                     |                  |      | T      |    |       |
| S19 | Check linklocks for damage or wear                               |                  |      | I      |    |       |
| S20 | Check chassis for cracks and distortion                          |                  |      | I      |    |       |
| S21 | Check king pin and rub plate                                     |                  |      | S      |    |       |
| S22 | Grease crane base locks                                          |                  |      | G      |    |       |
| S23 | Grease arms                                                      |                  |      | Gi     |    |       |
| S24 | Grease T/B locks                                                 |                  |      | G      |    |       |
| S25 | Grease landing legs                                              |                  |      | G      |    |       |
|     | SYSTEM TESTS AND ADJUSTMENTS                                     |                  |      |        |    |       |
| A1  | Check leg angle system                                           |                  |      | I      |    |       |
| A2  | Check crane base locking system                                  |                  |      | I      |    |       |
| A3  | Check timing and synchronization                                 |                  |      | Im     |    |       |
| A4  | Check radio remote settings                                      |                  |      | In     |    |       |
| A5  | Check ignition stop for radio remote                             |                  |      | I      |    |       |
| A6  | Check safety system functions                                    |                  |      | I      |    |       |
| A7  | Check optical sensor                                             |                  |      | I      |    |       |
| A8  | Check system pressures                                           |                  |      | lo     |    |       |
| A9  | Check E stops                                                    |                  |      | I      |    |       |
| A10 | Check rack and pinion adjustments                                |                  |      | Te     |    |       |
| A11 | Check side guide clearance                                       |                  |      | I      |    |       |
| A12 | Check load transfer clearance and wear pads                      |                  |      | I      |    |       |
| A13 | Check PVG 32 neutral points for coils                            |                  |      | lh     |    |       |
| A14 | Check Sidelifter night light system                              |                  |      | I      |    |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |                  |      | I      |    |       |
| A16 | Check all warning beepers                                        |                  |      | I      |    |       |
| A17 | Check manual override system                                     |                  |      | I      |    |       |
| A18 | Check steer axle system                                          |                  |      | I      |    |       |
| A19 | Check lift axle system                                           |                  |      | I      |    |       |
| A20 | Check lifting chains                                             |                  |      | lq     |    |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |                  |      | I      |    |       |

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

| No   | SERVICE ITEM                                                                                                                             | MONTHS |      | 36 | NOTES |  |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|--------|------|----|-------|--|--|--|--|
|      |                                                                                                                                          |        |      |    |       |  |  |  |  |
|      |                                                                                                                                          | HOURS  | 1200 |    |       |  |  |  |  |
|      | ELECTRICAL SYSTEM                                                                                                                        |        |      |    |       |  |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |        | I    |    |       |  |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |        | T    |    |       |  |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |        | I    |    |       |  |  |  |  |
| EL4  | Check cables / plugs and Arial connections for radio remote                                                                              |        | I    |    |       |  |  |  |  |
| EL5  | Check battery connection                                                                                                                 |        | T    |    |       |  |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |        | I    |    |       |  |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |        | T    |    |       |  |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |        | I    |    |       |  |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |        | C    |    |       |  |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |        | I    |    |       |  |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |        | I    |    |       |  |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |        | I    |    |       |  |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |        | I    |    |       |  |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |        | I    |    |       |  |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |        | I    |    |       |  |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |        | T    |    |       |  |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |        | I    |    |       |  |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |        |      |    |       |  |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |        | I    |    |       |  |  |  |  |
|      | SMARTlift                                                                                                                                |        |      |    |       |  |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |        | T    |    |       |  |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |        | I    |    |       |  |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies                                                                                            |        | T    |    |       |  |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |        | T    |    |       |  |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |        | I    |    |       |  |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |        | I    |    |       |  |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |        | I    |    |       |  |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |        | I    |    |       |  |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1                                                                                                |        | I    |    |       |  |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |        | I    |    |       |  |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |        | I    |    |       |  |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |        | I    |    |       |  |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |        | I    |    |       |  |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |        | I    |    |       |  |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |        | I    |    |       |  |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |        | I    |    |       |  |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |        | I    |    |       |  |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |        | I    |    |       |  |  |  |  |
| SL19 | Check Calibration                                                                                                                        |        | I    |    |       |  |  |  |  |

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |      |  | NOTES |  |  |  |  |
|-------|--------------------------------------------------------|------------------|------|--|-------|--|--|--|--|
|       |                                                        | MONTHS           | 36   |  |       |  |  |  |  |
|       |                                                        | HOURS            | 1200 |  |       |  |  |  |  |
|       | <b>SUSPENSION, AXLES, BRAKES AND RUNNING GEAR</b>      |                  |      |  |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |                  | I    |  |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  | u    |  |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                  | t    |  |       |  |  |  |  |
|       | <b>ABS SYSTEM CHECKS</b>                               |                  |      |  |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |                  | I    |  |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |                  | R    |  |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |                  | IC   |  |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                  | S    |  |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  | C    |  |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |                  | T    |  |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  | S    |  |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  | I    |  |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  | I    |  |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  | I    |  |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  | I    |  |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  | I    |  |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |                  | I    |  |       |  |  |  |  |
| ABS14 | System test                                            |                  | Ig   |  |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



|                                                                                                                                          |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <div style="text-align: center;"> <h1 style="margin: 0;">STEELBRO</h1> <h2 style="margin: 10px 0;">PRESSURE<br/>RECORD SHEET</h2> </div> | DATE:.....                      |
|                                                                                                                                          | SERVICE REFERENCE:.....         |
|                                                                                                                                          | COMPANY:.....                   |
|                                                                                                                                          | CONTACT NAME:.....              |
|                                                                                                                                          | SERVICE ENGINEER NAME:<br>..... |
| SERIAL NUMBER:.....                                                                                                                      |                                 |

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....

SERVICE REFERENCE:.....

COMPANY:.....

CONTACT NAME:.....

SERVICE ENGINEER NAME:

.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



**STEELBRO**

**SERVICE PROGRAM**

**SERVICE REFERENCE  
1300 HR**

VERSION: G0001\_1300HR V3

DATE:.....  
DATE LAST SERVICE:.....  
NEXT SERVICE DUE:.....  
COMPANY:.....

FLEET NUMBER:.....  
PM REGO NUMBER:.....  
VIN NUMBER:.....

SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

**NB THIS SERVICE CHECK SHEET IS FOR SERVICING AND CHECKING THE CRANES AND OPERATING SYSTEM.  
THIS SERVICE CHECK SHEET IS NOT A DEPARTMENT OF TRANSPORT SAFETY CHECK SHEET; IT IS A STEELBRO SERVICE  
PROGRAM DESIGNED TO MEET THE DEMANDS OF THE STEELBRO SIDELIFTER.**

**WORK REQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:**

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**For any comments NOTES reference check number first then comment:**

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SERVICE CENTRE:.....

DATE:.....

TECHNICIAN SIGNATURE:.....

CUSTOMER SIGNATURE:.....

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| WHICH EVER COMES FIRST MONTHS OR HOURS |              |                  |        |  |      |  |
|----------------------------------------|--------------|------------------|--------|--|------|--|
| No                                     | SERVICE ITEM | SERVICE INTERVAL | MONTHS |  | 39   |  |
|                                        |              |                  | NOTES  |  |      |  |
|                                        |              |                  | HOURS  |  | 1300 |  |

|     |                                                              |  |  |       |  |  |
|-----|--------------------------------------------------------------|--|--|-------|--|--|
|     | <b>ENGINE</b>                                                |  |  |       |  |  |
| E2  | Check / Change engine oil                                    |  |  |       |  |  |
| E3  | Cleaning / Replace of air cleaner element                    |  |  | C     |  |  |
| E4  | Cleaning / Replace fuel filter                               |  |  | C     |  |  |
| E5  | Check battery electrolyte level                              |  |  | I     |  |  |
| E6  |                                                              |  |  |       |  |  |
| E7  | Replace oil filter cartridge                                 |  |  |       |  |  |
| E8  | Check / Replace intake air line                              |  |  |       |  |  |
| E9  | Clean sediment out of fuel tank                              |  |  |       |  |  |
| E10 | Check / Replace fuel line                                    |  |  | I     |  |  |
| E11 | Check / Change radiator coolant                              |  |  |       |  |  |
| E12 | Check / Replace fan belt                                     |  |  | I     |  |  |
| E13 | Check valve clearance                                        |  |  |       |  |  |
| E14 | Check fuel injection nozzle injection pressure               |  |  |       |  |  |
| E15 | Check injection pump                                         |  |  |       |  |  |
| E16 | Check battery electrolyte level test                         |  |  | I     |  |  |
| E17 | Check / Replace fuel pipes and clamp bands                   |  |  |       |  |  |
| E18 | Check exhaust and manifold bolts for security                |  |  | T     |  |  |
| E19 | Check engine throttle / stop mounting and operation          |  |  | T     |  |  |
| E20 | Check engine speed is set correctly                          |  |  |       |  |  |
| E21 | Check stop system is functions correctly                     |  |  | I     |  |  |
| E22 | Check all engine bolts                                       |  |  |       |  |  |
|     | <b>HYDRAULIC SYSTEM</b>                                      |  |  |       |  |  |
| H1  | Change high pressure filter                                  |  |  | I     |  |  |
| H2  | Change hydraulic return filter                               |  |  | I     |  |  |
| H3  | Take oil sample and change when required                     |  |  |       |  |  |
| H4  | Clean / Change hydraulic breather cap filter                 |  |  | C     |  |  |
| H5  | Check hydraulic hose and tube fittings                       |  |  | T     |  |  |
| H6  | Check all tube clamps are secure                             |  |  | I     |  |  |
| H7  | Check / Record system pressures (Adjust if required)         |  |  | lk    |  |  |
| H8  | Check cylinder valves for leaks or replace O rings           |  |  | I     |  |  |
| H9  | Check / Replace overcenter check valve cap screws            |  |  |       |  |  |
| H10 | Check Danfoss valves for oil leaks                           |  |  | I     |  |  |
| H11 |                                                              |  |  |       |  |  |
| H12 | Check overcenter cartridge lock nuts are tight               |  |  | T     |  |  |
| H13 | Record high speed times of top and bottom arms               |  |  |       |  |  |
| H14 | Check hydraulic motors for leaks                             |  |  | I     |  |  |
| H15 | Check for any damaged hydraulic tubes (Replace as required ) |  |  | I     |  |  |
| H16 | Check all hoses for wear or damage                           |  |  | I     |  |  |
| H17 | Check cylinder case or rod for any damage or leaks           |  |  | I     |  |  |
| H18 | Check PTO mounting bolts and prop shaft                      |  |  | I     |  |  |
| H19 | Check PTO mountings and couplings                            |  |  | I / C |  |  |
| H20 | Check pump drive coupling (Power pack)                       |  |  |       |  |  |

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

| No  | SERVICE ITEM                                                     | MONTHS |  | 39   | NOTES |
|-----|------------------------------------------------------------------|--------|--|------|-------|
|     |                                                                  | HOURS  |  | 1300 |       |
|     |                                                                  |        |  |      |       |
|     | <b>STRUCTURE</b>                                                 |        |  |      |       |
| S1  | Check G pins for wear and movement                               |        |  |      |       |
| S2  | Check all bushes for wear                                        |        |  |      |       |
| S3  | Check all pin keepers                                            |        |  | I    |       |
| S4  | Check all crane base bash plates for damage                      |        |  | I    |       |
| S5  | Check / Strengthen off side bash plate                           |        |  | I    |       |
| S6  | Check all arm / legs and crane bases for cracks                  |        |  | I    |       |
| S7  | Clean chassis top flange surface                                 |        |  | C    |       |
| S8  | Check load transfer clearance and torque bolts                   |        |  | T    |       |
| S9  | Check all hose guide systems for damage and location             |        |  | I    |       |
| S10 | Check twistlocks and twistlock handles                           |        |  | I    |       |
| S11 | Check hammer locks and lifting lugs                              |        |  | I    |       |
| S12 | Check all crane base lock position on chassis for damage or wear |        |  | I    |       |
| S13 | Check center beam slides for foot clearance                      |        |  | I    |       |
| S14 | Check center beam slide stops                                    |        |  | I    |       |
| S15 | Check center beam slide chains and eye bolts                     |        |  | I    |       |
| S16 | Check crane base guide angles for bends and cracks               |        |  | I    |       |
| S17 | Check nylon track aluminum is torque to chassis                  |        |  | T    |       |
| S18 | Check nylon track is tight / and not damaged                     |        |  | T    |       |
| S19 | Check linklocks for damage or wear                               |        |  | I    |       |
| S20 | Check chassis for cracks and distortion                          |        |  | I    |       |
| S21 | Check king pin and rub plate                                     |        |  | I    |       |
| S22 | Grease crane base locks                                          |        |  | G    |       |
| S23 | Grease arms                                                      |        |  | Gi   |       |
| S24 | Grease T/B locks                                                 |        |  | G    |       |
| S25 | Grease landing legs                                              |        |  | G    |       |
|     | <b>SYSTEM TESTS AND ADJUSTMENTS</b>                              |        |  |      |       |
| A1  | Check leg angle system                                           |        |  | I    |       |
| A2  | Check crane base locking system                                  |        |  | I    |       |
| A3  | Check timing and synchronization                                 |        |  |      |       |
| A4  | Check radio remote settings                                      |        |  |      |       |
| A5  | Check ignition stop for radio remote                             |        |  | I    |       |
| A6  | Check safety system functions                                    |        |  | I    |       |
| A7  | Check optical sensor                                             |        |  | I    |       |
| A8  | Check system pressures                                           |        |  | lo   |       |
| A9  | Check E stops                                                    |        |  | I    |       |
| A10 | Check rack and pinion adjustments                                |        |  | Te   |       |
| A11 | Check side guide clearance                                       |        |  | I    |       |
| A12 | Check load transfer clearance and wear pads                      |        |  | I    |       |
| A13 | Check PVG 32 neutral points for coils                            |        |  |      |       |
| A14 | Check Sidelifter night light system                              |        |  | I    |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |        |  | I    |       |
| A16 | Check all warning beepers                                        |        |  | I    |       |
| A17 | Check manual override system                                     |        |  | I    |       |
| A18 | Check steer axle system                                          |        |  | I    |       |
| A19 | Check lift axle system                                           |        |  | I    |       |
| A20 | Check lifting chains                                             |        |  | I    |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |        |  | I    |       |

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

| No   | SERVICE ITEM                                                                                                                             | MONTHS |  | 39   | NOTES |  |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--|------|-------|--|--|--|--|
|      |                                                                                                                                          | HOURS  |  | 1300 |       |  |  |  |  |
|      |                                                                                                                                          |        |  |      |       |  |  |  |  |
|      | <b>ELECTRICAL SYSTEM</b>                                                                                                                 |        |  |      |       |  |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |        |  | I    |       |  |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |        |  | I    |       |  |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |        |  | I    |       |  |  |  |  |
| EL4  | Check cables / plugs and Arial connections for radio remote                                                                              |        |  | I    |       |  |  |  |  |
| EL5  | Check battery connection                                                                                                                 |        |  | I    |       |  |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |        |  | I    |       |  |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |        |  |      |       |  |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |        |  |      |       |  |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |        |  |      |       |  |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |        |  | I    |       |  |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |        |  | I    |       |  |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |        |  |      |       |  |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |        |  | I    |       |  |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |        |  | I    |       |  |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |        |  | I    |       |  |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |        |  | I    |       |  |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |        |  |      |       |  |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |        |  | T    |       |  |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |        |  | I    |       |  |  |  |  |
|      | <b>SMARTlift</b>                                                                                                                         |        |  |      |       |  |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |        |  | T    |       |  |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |        |  | I    |       |  |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies                                                                                            |        |  | T    |       |  |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |        |  | T    |       |  |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |        |  | I    |       |  |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |        |  | I    |       |  |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |        |  | I    |       |  |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |        |  | I    |       |  |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1                                                                                                |        |  | I    |       |  |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |        |  | I    |       |  |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |        |  | I    |       |  |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |        |  | I    |       |  |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |        |  | I    |       |  |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |        |  | I    |       |  |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |        |  | I    |       |  |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |        |  | I    |       |  |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |        |  | I    |       |  |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |        |  | I    |       |  |  |  |  |
| SL19 | Check Calibration                                                                                                                        |        |  | I    |       |  |  |  |  |

PROGRAM START DATE:..... **STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE INTERVAL<br>SERVICE ITEM                       | MONTHS |  | 39   |  | NOTES |  |  |  |  |
|-------|--------------------------------------------------------|--------|--|------|--|-------|--|--|--|--|
|       |                                                        |        |  |      |  |       |  |  |  |  |
|       |                                                        | HOURS  |  | 1300 |  |       |  |  |  |  |
|       | SUSPENSION, AXLES, BRAKES AND RUNNING GEAR             |        |  |      |  |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |        |  | I    |  |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |        |  | u    |  |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |        |  | t    |  |       |  |  |  |  |
|       | ABS SYSTEM CHECKS                                      |        |  |      |  |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |        |  | I    |  |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |        |  | Cc   |  |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |        |  | IC   |  |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |        |  |      |  |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |        |  | C    |  |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |        |  |      |  |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |        |  |      |  |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |        |  | I    |  |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |        |  | I    |  |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |        |  | I    |  |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |        |  | I    |  |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |        |  | I    |  |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |        |  | I    |  |       |  |  |  |  |
| ABS14 | System test                                            |        |  |      |  |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



# STEELBRO

## PRESSURE RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



**STEELBRO**

**SERVICE PROGRAM**

**SERVICE REFERENCE  
1400 HR**

VERSION: G0001\_1400HR V3

DATE:.....  
DATE LAST SERVICE:.....  
NEXT SERVICE DUE:.....  
COMPANY:.....

FLEET NUMBER:.....  
PM REGO NUMBER:.....  
VIN NUMBER:.....

SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

**NB THIS SERVICE CHECK SHEET IS FOR SERVICING AND CHECKING THE CRANES AND OPERATING SYSTEM.  
THIS SERVICE CHECK SHEET IS NOT A DEPARTMENT OF TRANSPORT SAFETY CHECK SHEET; IT IS A STEELBRO SERVICE  
PROGRAM DESIGNED TO MEET THE DEMANDS OF THE STEELBRO SIDELIFTER.**

**WORK REQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:**

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**For any comments NOTES reference check number first then comment:**

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SERVICE CENTRE:.....

DATE:.....

TECHNICIAN SIGNATURE:.....

CUSTOMER SIGNATURE:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No | SERVICE ITEM | SERVICE INTERVAL |  |      |  | NOTES |
|----|--------------|------------------|--|------|--|-------|
|    |              | MONTHS           |  | 42   |  |       |
|    |              | HOURS            |  | 1400 |  |       |

|     |                                                              |  |  |       |  |  |
|-----|--------------------------------------------------------------|--|--|-------|--|--|
|     | <b>ENGINE</b>                                                |  |  |       |  |  |
| E2  | Check / Change engine oil                                    |  |  | R     |  |  |
| E3  | Cleaning / Replace of air cleaner element                    |  |  | C     |  |  |
| E4  | Cleaning / Replace fuel filter                               |  |  | C     |  |  |
| E5  | Check battery electrolyte level                              |  |  | I     |  |  |
| E6  |                                                              |  |  | I     |  |  |
| E7  | Replace oil filter cartridge                                 |  |  | R     |  |  |
| E8  | Check / Replace intake air line                              |  |  | I     |  |  |
| E9  | Clean sediment out of fuel tank                              |  |  |       |  |  |
| E10 | Check / Replace fuel line                                    |  |  | I     |  |  |
| E11 | Check / Change radiator coolant                              |  |  |       |  |  |
| E12 | Check / Replace fan belt                                     |  |  | I     |  |  |
| E13 | Check valve clearance                                        |  |  |       |  |  |
| E14 | Check fuel injection nozzle injection pressure               |  |  |       |  |  |
| E15 | Check injection pump                                         |  |  |       |  |  |
| E16 | Check battery electrolyte level test                         |  |  | I     |  |  |
| E17 | Check / Replace fuel pipes and clamp bands                   |  |  | I     |  |  |
| E18 | Check exhaust and manifold bolts for security                |  |  | T     |  |  |
| E19 | Check engine throttle / stop mounting and operation          |  |  | T     |  |  |
| E20 | Check engine speed is set correctly                          |  |  |       |  |  |
| E21 | Check stop system is functions correctly                     |  |  | I     |  |  |
| E22 | Check all engine bolts                                       |  |  | T     |  |  |
|     | <b>HYDRAULIC SYSTEM</b>                                      |  |  |       |  |  |
| H1  | Change high pressure filter                                  |  |  | R     |  |  |
| H2  | Change hydraulic return filter                               |  |  | R     |  |  |
| H3  | Take oil sample and change when required                     |  |  | E     |  |  |
| H4  | Clean / Change hydraulic breather cap filter                 |  |  | C     |  |  |
| H5  | Check hydraulic hose and tube fittings                       |  |  | T     |  |  |
| H6  | Check all tube clamps are secure                             |  |  | I     |  |  |
| H7  | Check / Record system pressures (Adjust if required)         |  |  | lk    |  |  |
| H8  | Check cylinder valves for leaks or replace O rings           |  |  | I     |  |  |
| H9  | Check / Replace overcenter check valve cap screws            |  |  | T     |  |  |
| H10 | Check Danfoss valves for oil leaks                           |  |  | I     |  |  |
| H11 |                                                              |  |  |       |  |  |
| H12 | Check overcenter cartridge lock nuts are tight               |  |  | I     |  |  |
| H13 | Record high speed times of top and bottom arms               |  |  | lh    |  |  |
| H14 | Check hydraulic motors for leaks                             |  |  | I     |  |  |
| H15 | Check for any damaged hydraulic tubes (Replace as required ) |  |  | I     |  |  |
| H16 | Check all hoses for wear or damage                           |  |  | I     |  |  |
| H17 | Check cylinder case or rod for any damage or leaks           |  |  | I     |  |  |
| H18 | Check PTO mounting bolts and prop shaft                      |  |  | T     |  |  |
| H19 | Check PTO mountings and couplings                            |  |  | I / C |  |  |
| H20 | Check pump drive coupling (Power pack)                       |  |  |       |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

| No  | SERVICE INTERVAL<br>SERVICE ITEM                                 | MONTHS |  | 42   | NOTES |
|-----|------------------------------------------------------------------|--------|--|------|-------|
|     |                                                                  |        |  |      |       |
|     |                                                                  | HOURS  |  | 1400 |       |
|     |                                                                  |        |  |      |       |
|     | STRUCTURE                                                        |        |  |      |       |
| S1  | Check G pins for wear and movement                               |        |  | Id   |       |
| S2  | Check all bushes for wear                                        |        |  | I    |       |
| S3  | Check all pin keepers                                            |        |  | T    |       |
| S4  | Check all crane base bash plates for damage                      |        |  | I    |       |
| S5  | Check / Strengthen off side bash plate                           |        |  | I    |       |
| S6  | Check all arm / legs and crane bases for cracks                  |        |  | I    |       |
| S7  | Clean chassis top flange surface                                 |        |  | C    |       |
| S8  | Check load transfer clearance and torque bolts                   |        |  | T    |       |
| S9  | Check all hose guide systems for damage and location             |        |  | I    |       |
| S10 | Check twistlocks and twistlock handles                           |        |  | I    |       |
| S11 | Check hammer locks and lifting lugs                              |        |  | I    |       |
| S12 | Check all crane base lock position on chassis for damage or wear |        |  | I    |       |
| S13 | Check center beam slides for foot clearance                      |        |  | I    |       |
| S14 | Check center beam slide stops                                    |        |  | I    |       |
| S15 | Check center beam slide chains and eye bolts                     |        |  | I    |       |
| S16 | Check crane base guide angles for bends and cracks               |        |  | I    |       |
| S17 | Check nylon track aluminum is torque to chassis                  |        |  | T    |       |
| S18 | Check nylon track is tight / and not damaged                     |        |  | T    |       |
| S19 | Check linklocks for damage or wear                               |        |  | I    |       |
| S20 | Check chassis for cracks and distortion                          |        |  | I    |       |
| S21 | Check king pin and rub plate                                     |        |  | I    |       |
| S22 | Grease crane base locks                                          |        |  | G    |       |
| S23 | Grease arms                                                      |        |  | Gi   |       |
| S24 | Grease T/B locks                                                 |        |  | G    |       |
| S25 | Grease landing legs                                              |        |  | G    |       |
|     | SYSTEM TESTS AND ADJUSTMENTS                                     |        |  |      |       |
| A1  | Check leg angle system                                           |        |  | I    |       |
| A2  | Check crane base locking system                                  |        |  | I    |       |
| A3  | Check timing and synchronization                                 |        |  | Im   |       |
| A4  | Check radio remote settings                                      |        |  | In   |       |
| A5  | Check ignition stop for radio remote                             |        |  | I    |       |
| A6  | Check safety system functions                                    |        |  | I    |       |
| A7  | Check optical sensor                                             |        |  | I    |       |
| A8  | Check system pressures                                           |        |  | Io   |       |
| A9  | Check E stops                                                    |        |  | I    |       |
| A10 | Check rack and pinion adjustments                                |        |  | Ie   |       |
| A11 | Check side guide clearance                                       |        |  | I    |       |
| A12 | Check load transfer clearance and wear pads                      |        |  | I    |       |
| A13 | Check PVG 32 neutral points for coils                            |        |  |      |       |
| A14 | Check Sidelifter night light system                              |        |  | I    |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |        |  | I    |       |
| A16 | Check all warning beepers                                        |        |  | I    |       |
| A17 | Check manual override system                                     |        |  | I    |       |
| A18 | Check steer axle system                                          |        |  | I    |       |
| A19 | Check lift axle system                                           |        |  | I    |       |
| A20 | Check lifting chains                                             |        |  | I    |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |        |  | I    |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

| No   | SERVICE INTERVAL<br>SERVICE ITEM                                                                                                         | MONTHS |  | 42   |  | NOTES |  |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--|------|--|-------|--|--|--|--|
|      |                                                                                                                                          |        |  |      |  |       |  |  |  |  |
|      |                                                                                                                                          | HOURS  |  | 1400 |  |       |  |  |  |  |
|      | ELECTRICAL SYSTEM                                                                                                                        |        |  |      |  |       |  |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |        |  | T    |  |       |  |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL4  | Check cables / plugs and Aerial connections for radio remote                                                                             |        |  | I    |  |       |  |  |  |  |
| EL5  | Check battery connection                                                                                                                 |        |  | T    |  |       |  |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |        |  | T    |  |       |  |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |        |  | I    |  |       |  |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |        |  | C    |  |       |  |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |        |  | I    |  |       |  |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |        |  | I    |  |       |  |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |        |  | I    |  |       |  |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |        |  | I    |  |       |  |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |        |  | T    |  |       |  |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |        |  | I    |  |       |  |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |        |  |      |  |       |  |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |        |  | I    |  |       |  |  |  |  |
|      | SMARTlift                                                                                                                                |        |  |      |  |       |  |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |        |  | T    |  |       |  |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |        |  | I    |  |       |  |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies                                                                                            |        |  | T    |  |       |  |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |        |  | T    |  |       |  |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |        |  | I    |  |       |  |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |        |  | I    |  |       |  |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |        |  | I    |  |       |  |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |        |  | I    |  |       |  |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1                                                                                                |        |  | I    |  |       |  |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |        |  | I    |  |       |  |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |        |  | I    |  |       |  |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |        |  | I    |  |       |  |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |        |  | I    |  |       |  |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |        |  | I    |  |       |  |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |        |  | I    |  |       |  |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |        |  | I    |  |       |  |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |        |  | I    |  |       |  |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |        |  | I    |  |       |  |  |  |  |
| SL19 | Check Calibration                                                                                                                        |        |  | I    |  |       |  |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |  |      |  | NOTES |  |  |  |
|-------|--------------------------------------------------------|------------------|--|------|--|-------|--|--|--|
|       |                                                        | MONTHS           |  | 42   |  |       |  |  |  |
|       |                                                        | HOURS            |  | 1400 |  |       |  |  |  |
|       | <b>SUSPENSION, AXLES, BRAKES AND RUNNING GEAR</b>      |                  |  |      |  |       |  |  |  |
| RG1   | Visual inspection for security of all connections      |                  |  | I    |  |       |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  |  | u    |  |       |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                  |  | t    |  |       |  |  |  |
|       | <b>ABS SYSTEM CHECKS</b>                               |                  |  |      |  |       |  |  |  |
| ABS1  | Check brake chambers                                   |                  |  | I    |  |       |  |  |  |
| ABS2  | Clean / Replace line filters                           |                  |  | Cc   |  |       |  |  |  |
| ABS3  | Check trailer air couplings                            |                  |  | IC   |  |       |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                  |  | S    |  |       |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  |  | C    |  |       |  |  |  |
| ABS6  | Check air tank mountings                               |                  |  | T    |  |       |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  |  | S    |  |       |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  |  | I    |  |       |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  |  | I    |  |       |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  |  | I    |  |       |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  |  | I    |  |       |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  |  | I    |  |       |  |  |  |
| ABS13 | Test for air leaks                                     |                  |  | I    |  |       |  |  |  |
| ABS14 | System test                                            |                  |  | Ig   |  |       |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



|                                                                                                                                          |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <div style="text-align: center;"> <h1 style="margin: 0;">STEELBRO</h1> <h2 style="margin: 10px 0;">PRESSURE<br/>RECORD SHEET</h2> </div> | DATE:.....                      |
|                                                                                                                                          | SERVICE REFERENCE:.....         |
|                                                                                                                                          | COMPANY:.....                   |
|                                                                                                                                          | CONTACT NAME:.....              |
|                                                                                                                                          | SERVICE ENGINEER NAME:<br>..... |
| SERIAL NUMBER:.....                                                                                                                      |                                 |

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No | SERVICE ITEM | SERVICE INTERVAL |  |      |  | NOTES |
|----|--------------|------------------|--|------|--|-------|
|    |              | MONTHS           |  | 45   |  |       |
|    |              | HOURS            |  | 1500 |  |       |

| ENGINE           |                                                              |  |  |       |  |  |
|------------------|--------------------------------------------------------------|--|--|-------|--|--|
| E2               | Check / Change engine oil                                    |  |  |       |  |  |
| E3               | Cleaning / Replace of air cleaner element                    |  |  | C     |  |  |
| E4               | Cleaning / Replace fuel filter                               |  |  | C     |  |  |
| E5               | Check battery electrolyte level                              |  |  | I     |  |  |
| E6               |                                                              |  |  |       |  |  |
| E7               | Replace oil filter cartridge                                 |  |  |       |  |  |
| E8               | Check / Replace intake air line                              |  |  |       |  |  |
| E9               | Clean sediment out of fuel tank                              |  |  |       |  |  |
| E10              | Check / Replace fuel line                                    |  |  | I     |  |  |
| E11              | Check / Change radiator coolant                              |  |  |       |  |  |
| E12              | Check / Replace fan belt                                     |  |  | S     |  |  |
| E13              | Check valve clearance                                        |  |  |       |  |  |
| E14              | Check fuel injection nozzle injection pressure               |  |  | I     |  |  |
| E15              | Check injection pump                                         |  |  |       |  |  |
| E16              | Check battery electrolyte level test                         |  |  | I     |  |  |
| E17              | Check / Replace fuel pipes and clamp bands                   |  |  |       |  |  |
| E18              | Check exhaust and manifold bolts for security                |  |  | T     |  |  |
| E19              | Check engine throttle / stop mounting and operation          |  |  | T     |  |  |
| E20              | Check engine speed is set correctly                          |  |  | I     |  |  |
| E21              | Check stop system is functions correctly                     |  |  | I     |  |  |
| E22              | Check all engine bolts                                       |  |  |       |  |  |
| HYDRAULIC SYSTEM |                                                              |  |  |       |  |  |
| H1               | Change high pressure filter                                  |  |  | I     |  |  |
| H2               | Change hydraulic return filter                               |  |  | I     |  |  |
| H3               | Take oil sample and change when required                     |  |  |       |  |  |
| H4               | Clean / Change hydraulic breather cap filter                 |  |  | C     |  |  |
| H5               | Check hydraulic hose and tube fittings                       |  |  | T     |  |  |
| H6               | Check all tube clamps are secure                             |  |  | I     |  |  |
| H7               | Check / Record system pressures (Adjust if required)         |  |  | lk    |  |  |
| H8               | Check cylinder valves for leaks or replace O rings           |  |  | I     |  |  |
| H9               | Check / Replace overcenter check valve cap screws            |  |  |       |  |  |
| H10              | Check Danfoss valves for oil leaks                           |  |  | I     |  |  |
| H11              |                                                              |  |  |       |  |  |
| H12              | Check overcenter cartridge lock nuts are tight               |  |  | T     |  |  |
| H13              | Record high speed times of top and bottom arms               |  |  |       |  |  |
| H14              | Check hydraulic motors for leaks                             |  |  | I     |  |  |
| H15              | Check for any damaged hydraulic tubes (Replace as required ) |  |  | I     |  |  |
| H16              | Check all hoses for wear or damage                           |  |  | I     |  |  |
| H17              | Check cylinder case or rod for any damage or leaks           |  |  | I     |  |  |
| H18              | Check PTO mounting bolts and prop shaft                      |  |  | I     |  |  |
| H19              | Check PTO mountings and couplings                            |  |  | I / C |  |  |
| H20              | Check pump drive coupling (Power pack)                       |  |  |       |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No                                  | SERVICE ITEM                                                     | SERVICE INTERVAL |      |  |  | NOTES |
|-------------------------------------|------------------------------------------------------------------|------------------|------|--|--|-------|
|                                     |                                                                  | MONTHS           | 45   |  |  |       |
|                                     |                                                                  | HOURS            | 1500 |  |  |       |
| <b>STRUCTURE</b>                    |                                                                  |                  |      |  |  |       |
| S1                                  | Check G pins for wear and movement                               |                  |      |  |  |       |
| S2                                  | Check all bushes for wear                                        |                  |      |  |  |       |
| S3                                  | Check all pin keepers                                            |                  | I    |  |  |       |
| S4                                  | Check all crane base bash plates for damage                      |                  | I    |  |  |       |
| S5                                  | Check / Strengthen off side bash plate                           |                  | I    |  |  |       |
| S6                                  | Check all arm / legs and crane bases for cracks                  |                  | I    |  |  |       |
| S7                                  | Clean chassis top flange surface                                 |                  | C    |  |  |       |
| S8                                  | Check load transfer clearance and torque bolts                   |                  | T    |  |  |       |
| S9                                  | Check all hose guide systems for damage and location             |                  | I    |  |  |       |
| S10                                 | Check twistlocks and twistlock handles                           |                  | I    |  |  |       |
| S11                                 | Check hammer locks and lifting lugs                              |                  | I    |  |  |       |
| S12                                 | Check all crane base lock position on chassis for damage or wear |                  | I    |  |  |       |
| S13                                 | Check center beam slides for foot clearance                      |                  | I    |  |  |       |
| S14                                 | Check center beam slide stops                                    |                  | I    |  |  |       |
| S15                                 | Check center beam slide chains and eye bolts                     |                  | I    |  |  |       |
| S16                                 | Check crane base guide angles for bends and cracks               |                  | I    |  |  |       |
| S17                                 | Check nylon track aluminum is torque to chassis                  |                  | T    |  |  |       |
| S18                                 | Check nylon track is tight / and not damaged                     |                  | T    |  |  |       |
| S19                                 | Check linklocks for damage or wear                               |                  | I    |  |  |       |
| S20                                 | Check chassis for cracks and distortion                          |                  | I    |  |  |       |
| S21                                 | Check king pin and rub plate                                     |                  | I    |  |  |       |
| S22                                 | Grease crane base locks                                          |                  | G    |  |  |       |
| S23                                 | Grease arms                                                      |                  | Gi   |  |  |       |
| S24                                 | Grease T/B locks                                                 |                  | G    |  |  |       |
| S25                                 | Grease landing legs                                              |                  | G    |  |  |       |
| <b>SYSTEM TESTS AND ADJUSTMENTS</b> |                                                                  |                  |      |  |  |       |
| A1                                  | Check leg angle system                                           |                  | I    |  |  |       |
| A2                                  | Check crane base locking system                                  |                  | I    |  |  |       |
| A3                                  | Check timing and synchronization                                 |                  |      |  |  |       |
| A4                                  | Check radio remote settings                                      |                  |      |  |  |       |
| A5                                  | Check ignition stop for radio remote                             |                  | I    |  |  |       |
| A6                                  | Check safety system functions                                    |                  | I    |  |  |       |
| A7                                  | Check optical sensor                                             |                  | I    |  |  |       |
| A8                                  | Check system pressures                                           |                  | lo   |  |  |       |
| A9                                  | Check E stops                                                    |                  | I    |  |  |       |
| A10                                 | Check rack and pinion adjustments                                |                  | le   |  |  |       |
| A11                                 | Check side guide clearance                                       |                  | I    |  |  |       |
| A12                                 | Check load transfer clearance and wear pads                      |                  | I    |  |  |       |
| A13                                 | Check PVG 32 neutral points for coils                            |                  | lh   |  |  |       |
| A14                                 | Check Sidelifter night light system                              |                  | I    |  |  |       |
| A15                                 | Check control cabinet gauges and lighting is working correctly   |                  | I    |  |  |       |
| A16                                 | Check all warning beepers                                        |                  | I    |  |  |       |
| A17                                 | Check manual override system                                     |                  | I    |  |  |       |
| A18                                 | Check steer axle system                                          |                  | I    |  |  |       |
| A19                                 | Check lift axle system                                           |                  | I    |  |  |       |
| A20                                 | Check lifting chains                                             |                  | I    |  |  |       |
| A21                                 | Check T/B lock system Air system and slide pads shim if required |                  | I    |  |  |       |
| A22                                 | Sidelifter load test                                             |                  |      |  |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No   | SERVICE ITEM                                                                                                                             | SERVICE INTERVAL |  |      |  | NOTES |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|------|--|-------|--|--|--|
|      |                                                                                                                                          | MONTHS           |  | 45   |  |       |  |  |  |
|      |                                                                                                                                          | HOURS            |  | 1500 |  |       |  |  |  |
|      | <b>ELECTRICAL SYSTEM</b>                                                                                                                 |                  |  |      |  |       |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |                  |  | I    |  |       |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |                  |  | I    |  |       |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |                  |  | I    |  |       |  |  |  |
| EL4  | Check cables / plugs and Arial connections for radio remote                                                                              |                  |  | I    |  |       |  |  |  |
| EL5  | Check battery connection                                                                                                                 |                  |  | I    |  |       |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |                  |  | I    |  |       |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |                  |  |      |  |       |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |                  |  |      |  |       |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |                  |  |      |  |       |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |                  |  | I    |  |       |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |                  |  | I    |  |       |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |                  |  |      |  |       |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |                  |  | I    |  |       |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |                  |  | I    |  |       |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |                  |  | I    |  |       |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |                  |  | I    |  |       |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |                  |  |      |  |       |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |                  |  | T    |  |       |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |                  |  | I    |  |       |  |  |  |
|      | <b>SMARTlift</b>                                                                                                                         |                  |  |      |  |       |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |                  |  | T    |  |       |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |                  |  | I    |  |       |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies are                                                                                        |                  |  | T    |  |       |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |                  |  | T    |  |       |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |                  |  | I    |  |       |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |                  |  | I    |  |       |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |                  |  | I    |  |       |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |                  |  | I    |  |       |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1 and 0                                                                                          |                  |  | I    |  |       |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |                  |  | I    |  |       |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |                  |  | I    |  |       |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |                  |  | I    |  |       |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |                  |  | I    |  |       |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |                  |  | I    |  |       |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |                  |  | I    |  |       |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |                  |  | I    |  |       |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |                  |  | I    |  |       |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |                  |  | I    |  |       |  |  |  |
| SL19 | Check Calibration                                                                                                                        |                  |  | I    |  |       |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No    | SERVICE ITEM                                           | WHICH EVER COMES FIRST MONTHS OR HOURS |  |      |  | NOTES |  |  |  |  |
|-------|--------------------------------------------------------|----------------------------------------|--|------|--|-------|--|--|--|--|
|       |                                                        | MONTHS                                 |  | 45   |  |       |  |  |  |  |
|       |                                                        | HOURS                                  |  | 1500 |  |       |  |  |  |  |
|       | SUSPENSION, AXLES, BRAKES AND RUNNING GEAR             |                                        |  |      |  |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |                                        |  | I    |  |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                                        |  | u    |  |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                                        |  | t    |  |       |  |  |  |  |
|       | ABS SYSTEM CHECKS                                      |                                        |  |      |  |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |                                        |  | I    |  |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |                                        |  | Cc   |  |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |                                        |  | IC   |  |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                                        |  |      |  |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                                        |  | C    |  |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |                                        |  |      |  |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                                        |  |      |  |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                                        |  | I    |  |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                                        |  | I    |  |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                                        |  | I    |  |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                                        |  | I    |  |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                                        |  | I    |  |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |                                        |  | I    |  |       |  |  |  |  |
| ABS14 | System test                                            |                                        |  |      |  |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



# STEELBRO

## PRESSURE RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No | SERVICE ITEM | SERVICE INTERVAL |      |  | NOTES |
|----|--------------|------------------|------|--|-------|
|    |              | MONTHS           | 48   |  |       |
|    |              | HOURS            | 1600 |  |       |

| ENGINE           |                                                              |  |       |  |  |
|------------------|--------------------------------------------------------------|--|-------|--|--|
| E2               | Check / Change engine oil                                    |  | R     |  |  |
| E3               | Cleaning / Replace of air cleaner element                    |  | C     |  |  |
| E4               | Cleaning / Replace fuel filter                               |  | R     |  |  |
| E5               | Check battery electrolyte level                              |  | R     |  |  |
| E6               |                                                              |  | R     |  |  |
| E7               | Replace oil filter cartridge                                 |  | R     |  |  |
| E8               | Check / Replace intake air line                              |  | S     |  |  |
| E9               | Clean sediment out of fuel tank                              |  |       |  |  |
| E10              | Check / Replace fuel line                                    |  | I     |  |  |
| E11              | Check / Change radiator coolant                              |  |       |  |  |
| E12              | Check / Replace fan belt                                     |  | I     |  |  |
| E13              | Check valve clearance                                        |  |       |  |  |
| E14              | Check fuel injection nozzle injection pressure               |  |       |  |  |
| E15              | Check injection pump                                         |  |       |  |  |
| E16              | Check battery electrolyte level test                         |  | I     |  |  |
| E17              | Check / Replace fuel pipes and clamp bands                   |  | S     |  |  |
| E18              | Check exhaust and manifold bolts for security                |  | T     |  |  |
| E19              | Check engine throttle / stop mounting and operation          |  | T     |  |  |
| E20              | Check engine speed is set correctly                          |  |       |  |  |
| E21              | Check stop system is functions correctly                     |  | I     |  |  |
| E22              | Check all engine bolts                                       |  | T     |  |  |
| HYDRAULIC SYSTEM |                                                              |  |       |  |  |
| H1               | Change high pressure filter                                  |  | R     |  |  |
| H2               | Change hydraulic return filter                               |  | R     |  |  |
| H3               | Take oil sample and change when required                     |  | E     |  |  |
| H4               | Clean / Change hydraulic breather cap filter                 |  | R     |  |  |
| H5               | Check hydraulic hose and tube fittings                       |  | T     |  |  |
| H6               | Check all tube clamps are secure                             |  | T     |  |  |
| H7               | Check / Record system pressures (Adjust if required)         |  | lk    |  |  |
| H8               | Check cylinder valves for leaks or replace O rings           |  | R     |  |  |
| H9               | Check / Replace overcenter check valve cap screws            |  | T     |  |  |
| H10              | Check Danfoss valves for oil leaks                           |  | I     |  |  |
| H11              |                                                              |  |       |  |  |
| H12              | Check overcenter cartridge lock nuts are tight               |  | I     |  |  |
| H13              | Record high speed times of top and bottom arms               |  | lh    |  |  |
| H14              | Check hydraulic motors for leaks                             |  | I     |  |  |
| H15              | Check for any damaged hydraulic tubes (Replace as required ) |  | I     |  |  |
| H16              | Check all hoses for wear or damage                           |  | I     |  |  |
| H17              | Check cylinder case or rod for any damage or leaks           |  | T     |  |  |
| H18              | Check PTO mounting bolts and prop shaft                      |  | T     |  |  |
| H19              | Check PTO mountings and couplings                            |  | I / C |  |  |
| H20              | Check pump drive coupling (Power pack)                       |  | I     |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No  | SERVICE ITEM                                                     | SERVICE INTERVAL |  |      |  | NOTES |
|-----|------------------------------------------------------------------|------------------|--|------|--|-------|
|     |                                                                  | MONTHS           |  | 48   |  |       |
|     |                                                                  | HOURS            |  | 1600 |  |       |
|     |                                                                  |                  |  |      |  |       |
|     | STRUCTURE                                                        |                  |  |      |  |       |
| S1  | Check G pins for wear and movement                               |                  |  | Id   |  |       |
| S2  | Check all bushes for wear                                        |                  |  | I    |  |       |
| S3  | Check all pin keepers                                            |                  |  | T    |  |       |
| S4  | Check all crane base bash plates for damage                      |                  |  | I    |  |       |
| S5  | Check / Strengthen off side bash plate                           |                  |  | I    |  |       |
| S6  | Check all arm / legs and crane bases for cracks                  |                  |  | I    |  |       |
| S7  | Clean chassis top flange surface                                 |                  |  | C    |  |       |
| S8  | Check load transfer clearance and torque bolts                   |                  |  | T    |  |       |
| S9  | Check all hose guide systems for damage and location             |                  |  | I    |  |       |
| S10 | Check twistlocks and twistlock handles                           |                  |  | I    |  |       |
| S11 | Check hammer locks and lifting lugs                              |                  |  | I    |  |       |
| S12 | Check all crane base lock position on chassis for damage or wear |                  |  | I    |  |       |
| S13 | Check center beam slides for foot clearance                      |                  |  | I    |  |       |
| S14 | Check center beam slide stops                                    |                  |  | I    |  |       |
| S15 | Check center beam slide chains and eye bolts                     |                  |  | I    |  |       |
| S16 | Check crane base guide angles for bends and cracks               |                  |  | I    |  |       |
| S17 | Check nylon track aluminum is torque to chassis                  |                  |  | T    |  |       |
| S18 | Check nylon track is tight / and not damaged                     |                  |  | T    |  |       |
| S19 | Check linklocks for damage or wear                               |                  |  | I    |  |       |
| S20 | Check chassis for cracks and distortion                          |                  |  | I    |  |       |
| S21 | Check king pin and rub plate                                     |                  |  | S    |  |       |
| S22 | Grease crane base locks                                          |                  |  | G    |  |       |
| S23 | Grease arms                                                      |                  |  | Gi   |  |       |
| S24 | Grease T/B locks                                                 |                  |  | G    |  |       |
| S25 | Grease landing legs                                              |                  |  | G    |  |       |
|     | SYSTEM TESTS AND ADJUSTMENTS                                     |                  |  |      |  |       |
| A1  | Check leg angle system                                           |                  |  | I    |  |       |
| A2  | Check crane base locking system                                  |                  |  | I    |  |       |
| A3  | Check timing and synchronization                                 |                  |  | lim  |  |       |
| A4  | Check radio remote settings                                      |                  |  | In   |  |       |
| A5  | Check ignition stop for radio remote                             |                  |  | I    |  |       |
| A6  | Check safety system functions                                    |                  |  | I    |  |       |
| A7  | Check optical sensor                                             |                  |  | I    |  |       |
| A8  | Check system pressures                                           |                  |  | lo   |  |       |
| A9  | Check E stops                                                    |                  |  | I    |  |       |
| A10 | Check rack and pinion adjustments                                |                  |  | Te   |  |       |
| A11 | Check side guide clearance                                       |                  |  | I    |  |       |
| A12 | Check load transfer clearance and wear pads                      |                  |  | I    |  |       |
| A13 | Check PVG 32 neutral points for coils                            |                  |  |      |  |       |
| A14 | Check Sidelifter night light system                              |                  |  | I    |  |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |                  |  | I    |  |       |
| A16 | Check all warning beepers                                        |                  |  | I    |  |       |
| A17 | Check manual override system                                     |                  |  | I    |  |       |
| A18 | Check steer axle system                                          |                  |  | I    |  |       |
| A19 | Check lift axle system                                           |                  |  | I    |  |       |
| A20 | Check lifting chains                                             |                  |  | Iq   |  |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |                  |  | I    |  |       |
| A22 | Sidelifter load test                                             |                  |  | Ip   |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No   | SERVICE ITEM                                                                                                                             | MONTHS |  | 48   |  | NOTES |  |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--|------|--|-------|--|--|--|--|
|      |                                                                                                                                          |        |  |      |  |       |  |  |  |  |
|      |                                                                                                                                          | HOURS  |  | 1600 |  |       |  |  |  |  |
|      | ELECTRICAL SYSTEM                                                                                                                        |        |  |      |  |       |  |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |        |  | T    |  |       |  |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL4  | Check cables / plugs and Aerial connections for radio remote                                                                             |        |  | I    |  |       |  |  |  |  |
| EL5  | Check battery connection                                                                                                                 |        |  | T    |  |       |  |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |        |  | T    |  |       |  |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |        |  | I    |  |       |  |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |        |  | C    |  |       |  |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |        |  | I    |  |       |  |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |        |  | I    |  |       |  |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |        |  | I    |  |       |  |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |        |  | I    |  |       |  |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |        |  | T    |  |       |  |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |        |  | I    |  |       |  |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |        |  |      |  |       |  |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |        |  | I    |  |       |  |  |  |  |
|      | SMARTlift                                                                                                                                |        |  |      |  |       |  |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |        |  | T    |  |       |  |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |        |  | I    |  |       |  |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies are tight                                                                                  |        |  | T    |  |       |  |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |        |  | T    |  |       |  |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |        |  | I    |  |       |  |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |        |  | I    |  |       |  |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |        |  | I    |  |       |  |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |        |  | I    |  |       |  |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1 and 0                                                                                          |        |  | I    |  |       |  |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |        |  | I    |  |       |  |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |        |  | I    |  |       |  |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |        |  | I    |  |       |  |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |        |  | I    |  |       |  |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |        |  | I    |  |       |  |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |        |  | I    |  |       |  |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |        |  | I    |  |       |  |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |        |  | I    |  |       |  |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |        |  | I    |  |       |  |  |  |  |
| SL19 | Check Calibration                                                                                                                        |        |  | I    |  |       |  |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |  |      | NOTES |  |  |  |  |
|-------|--------------------------------------------------------|------------------|--|------|-------|--|--|--|--|
|       |                                                        | MONTHS           |  | 48   |       |  |  |  |  |
|       |                                                        | HOURS            |  | 1600 |       |  |  |  |  |
|       | <b>SUSPENSION, AXLES, BRAKES AND RUNNING GEAR</b>      |                  |  |      |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |                  |  | I    |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  |  | u    |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                  |  | t    |       |  |  |  |  |
|       | <b>ABS SYSTEM CHECKS</b>                               |                  |  |      |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |                  |  | I    |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |                  |  | R    |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |                  |  | IC   |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                  |  | S    |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  |  | C    |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |                  |  | T    |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  |  | S    |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  |  | I    |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  |  | I    |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  |  | I    |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  |  | I    |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  |  | I    |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |                  |  | I    |       |  |  |  |  |
| ABS14 | System test                                            |                  |  | Ig   |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



# STEELBRO

## PRESSURE RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....

SERVICE REFERENCE:.....

COMPANY:.....

CONTACT NAME:.....

SERVICE ENGINEER NAME:

.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

|    |              |                  |        |  |      |  |       |
|----|--------------|------------------|--------|--|------|--|-------|
| No | SERVICE ITEM | SERVICE INTERVAL | MONTHS |  | 51   |  |       |
|    |              |                  |        |  |      |  | NOTES |
|    |              |                  | HOURS  |  | 1700 |  |       |

| ENGINE           |                                                              |  |  |       |  |  |
|------------------|--------------------------------------------------------------|--|--|-------|--|--|
| E2               | Check / Change engine oil                                    |  |  |       |  |  |
| E3               | Cleaning / Replace of air cleaner element                    |  |  | C     |  |  |
| E4               | Cleaning / Replace fuel filter                               |  |  | C     |  |  |
| E5               | Check battery electrolyte level                              |  |  | I     |  |  |
| E6               |                                                              |  |  |       |  |  |
| E7               | Replace oil filter cartridge                                 |  |  |       |  |  |
| E8               | Check / Replace intake air line                              |  |  |       |  |  |
| E9               | Clean sediment out of fuel tank                              |  |  |       |  |  |
| E10              | Check / Replace fuel line                                    |  |  | I     |  |  |
| E11              | Check / Change radiator coolant                              |  |  |       |  |  |
| E12              | Check / Replace fan belt                                     |  |  | I     |  |  |
| E13              | Check valve clearance                                        |  |  |       |  |  |
| E14              | Check fuel injection nozzle injection pressure               |  |  |       |  |  |
| E15              | Check injection pump                                         |  |  |       |  |  |
| E16              | Check battery electrolyte level test                         |  |  | I     |  |  |
| E17              | Check / Replace fuel pipes and clamp bands                   |  |  |       |  |  |
| E18              | Check exhaust and manifold bolts for security                |  |  | T     |  |  |
| E19              | Check engine throttle / stop mounting and operation          |  |  | T     |  |  |
| E20              | Check engine speed is set correctly                          |  |  |       |  |  |
| E21              | Check stop system is functions correctly                     |  |  | I     |  |  |
| E22              | Check all engine bolts                                       |  |  |       |  |  |
| HYDRAULIC SYSTEM |                                                              |  |  |       |  |  |
| H1               | Change high pressure filter                                  |  |  | I     |  |  |
| H2               | Change hydraulic return filter                               |  |  | I     |  |  |
| H3               | Take oil sample and change when required                     |  |  |       |  |  |
| H4               | Clean / Change hydraulic breather cap filter                 |  |  | C     |  |  |
| H5               | Check hydraulic hose and tube fittings                       |  |  | T     |  |  |
| H6               | Check all tube clamps are secure                             |  |  | I     |  |  |
| H7               | Check / Record system pressures (Adjust if required)         |  |  | lk    |  |  |
| H8               | Check cylinder valves for leaks or replace O rings           |  |  | I     |  |  |
| H9               | Check / Replace overcenter check valve cap screws            |  |  |       |  |  |
| H10              | Check Danfoss valves for oil leaks                           |  |  | I     |  |  |
| H11              |                                                              |  |  |       |  |  |
| H12              | Check overcenter cartridge lock nuts are tight               |  |  | T     |  |  |
| H13              | Record high speed times of top and bottom arms               |  |  |       |  |  |
| H14              | Check hydraulic motors for leaks                             |  |  | I     |  |  |
| H15              | Check for any damaged hydraulic tubes (Replace as required ) |  |  | I     |  |  |
| H16              | Check all hoses for wear or damage                           |  |  | I     |  |  |
| H17              | Check cylinder case or rod for any damage or leaks           |  |  | I     |  |  |
| H18              | Check PTO mounting bolts and prop shaft                      |  |  | I     |  |  |
| H19              | Check PTO mountings and couplings                            |  |  | I / C |  |  |
| H20              | Check pump drive coupling (Power pack)                       |  |  |       |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No                           | SERVICE ITEM                                                     | SERVICE INTERVAL | MONTHS |    | 51   |  | NOTES |
|------------------------------|------------------------------------------------------------------|------------------|--------|----|------|--|-------|
|                              |                                                                  |                  |        |    |      |  |       |
|                              |                                                                  |                  | HOURS  |    | 1700 |  |       |
|                              |                                                                  |                  |        |    |      |  |       |
|                              | STRUCTURE                                                        |                  |        |    |      |  |       |
| S1                           | Check G pins for wear and movement                               |                  |        |    |      |  |       |
| S2                           | Check all bushes for wear                                        |                  |        |    |      |  |       |
| S3                           | Check all pin keepers                                            |                  |        | I  |      |  |       |
| S4                           | Check all crane base bash plates for damage                      |                  |        | I  |      |  |       |
| S5                           | Check / Strengthen off side bash plate                           |                  |        | I  |      |  |       |
| S6                           | Check all arm / legs and crane bases for cracks                  |                  |        | I  |      |  |       |
| S7                           | Clean chassis top flange surface                                 |                  |        | C  |      |  |       |
| S8                           | Check load transfer clearance and torque bolts                   |                  |        | T  |      |  |       |
| S9                           | Check all hose guide systems for damage and location             |                  |        | I  |      |  |       |
| S10                          | Check twistlocks and twistlock handles                           |                  |        | I  |      |  |       |
| S11                          | Check hammer locks and lifting lugs                              |                  |        | I  |      |  |       |
| S12                          | Check all crane base lock position on chassis for damage or wear |                  |        | I  |      |  |       |
| S13                          | Check center beam slides for foot clearance                      |                  |        | I  |      |  |       |
| S14                          | Check center beam slide stops                                    |                  |        | I  |      |  |       |
| S15                          | Check center beam slide chains and eye bolts                     |                  |        | I  |      |  |       |
| S16                          | Check crane base guide angles for bends and cracks               |                  |        | I  |      |  |       |
| S17                          | Check nylon track aluminum is torque to chassis                  |                  |        | T  |      |  |       |
| S18                          | Check nylon track is tight / and not damaged                     |                  |        | T  |      |  |       |
| S19                          | Check linklocks for damage or wear                               |                  |        | I  |      |  |       |
| S20                          | Check chassis for cracks and distortion                          |                  |        | I  |      |  |       |
| S21                          | Check king pin and rub plate                                     |                  |        | I  |      |  |       |
| S22                          | Grease crane base locks                                          |                  |        | G  |      |  |       |
| S23                          | Grease arms                                                      |                  |        | Gi |      |  |       |
| S24                          | Grease T/B locks                                                 |                  |        | G  |      |  |       |
| S25                          | Grease landing legs                                              |                  |        | G  |      |  |       |
| SYSTEM TESTS AND ADJUSTMENTS |                                                                  |                  |        |    |      |  |       |
| A1                           | Check leg angle system                                           |                  |        | I  |      |  |       |
| A2                           | Check crane base locking system                                  |                  |        | I  |      |  |       |
| A3                           | Check timing and synchronization                                 |                  |        |    |      |  |       |
| A4                           | Check radio remote settings                                      |                  |        |    |      |  |       |
| A5                           | Check ignition stop for radio remote                             |                  |        | I  |      |  |       |
| A6                           | Check safety system functions                                    |                  |        | I  |      |  |       |
| A7                           | Check optical sensor                                             |                  |        | I  |      |  |       |
| A8                           | Check system pressures                                           |                  |        | lo |      |  |       |
| A9                           | Check E stops                                                    |                  |        | I  |      |  |       |
| A10                          | Check rack and pinion adjustments                                |                  |        | le |      |  |       |
| A11                          | Check side guide clearance                                       |                  |        | I  |      |  |       |
| A12                          | Check load transfer clearance and wear pads                      |                  |        | I  |      |  |       |
| A13                          | Check PVG 32 neutral points for coils                            |                  |        |    |      |  |       |
| A14                          | Check Sidelifter night light system                              |                  |        | I  |      |  |       |
| A15                          | Check control cabinet gauges and lighting is working correctly   |                  |        | I  |      |  |       |
| A16                          | Check all warning beepers                                        |                  |        | I  |      |  |       |
| A17                          | Check manual override system                                     |                  |        | I  |      |  |       |
| A18                          | Check steer axle system                                          |                  |        | I  |      |  |       |
| A19                          | Check lift axle system                                           |                  |        | I  |      |  |       |
| A20                          | Check lifting chains                                             |                  |        | I  |      |  |       |
| A21                          | Check T/B lock system Air system and slide pads shim if required |                  |        | I  |      |  |       |
| A22                          | Sidelifter load test                                             |                  |        |    |      |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No   | SERVICE ITEM                                                                                                                             | SERVICE INTERVAL |  |      |  | NOTES |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|------|--|-------|--|--|--|
|      |                                                                                                                                          | MONTHS           |  | 51   |  |       |  |  |  |
|      |                                                                                                                                          | HOURS            |  | 1700 |  |       |  |  |  |
|      | <b>ELECTRICAL SYSTEM</b>                                                                                                                 |                  |  |      |  |       |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |                  |  | I    |  |       |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |                  |  | I    |  |       |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |                  |  | I    |  |       |  |  |  |
| EL4  | Check cables / plugs and Aerial connections for radio remote                                                                             |                  |  | I    |  |       |  |  |  |
| EL5  | Check battery connection                                                                                                                 |                  |  | I    |  |       |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |                  |  | I    |  |       |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |                  |  |      |  |       |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |                  |  |      |  |       |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |                  |  |      |  |       |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |                  |  | I    |  |       |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |                  |  | I    |  |       |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |                  |  |      |  |       |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |                  |  | I    |  |       |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |                  |  | I    |  |       |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |                  |  | I    |  |       |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |                  |  | I    |  |       |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |                  |  |      |  |       |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |                  |  | T    |  |       |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |                  |  | I    |  |       |  |  |  |
|      | <b>SMARTlift</b>                                                                                                                         |                  |  |      |  |       |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |                  |  | T    |  |       |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |                  |  | I    |  |       |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies are                                                                                        |                  |  | T    |  |       |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |                  |  | T    |  |       |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |                  |  | I    |  |       |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |                  |  | I    |  |       |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |                  |  | I    |  |       |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |                  |  | I    |  |       |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1 and 0                                                                                          |                  |  | I    |  |       |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |                  |  | I    |  |       |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |                  |  | I    |  |       |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |                  |  | I    |  |       |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |                  |  | I    |  |       |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |                  |  | I    |  |       |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |                  |  | I    |  |       |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |                  |  | I    |  |       |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |                  |  | I    |  |       |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |                  |  | I    |  |       |  |  |  |
| SL19 | Check Calibration                                                                                                                        |                  |  | I    |  |       |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |  |      |  | NOTES |  |  |  |
|-------|--------------------------------------------------------|------------------|--|------|--|-------|--|--|--|
|       |                                                        | MONTHS           |  | 51   |  |       |  |  |  |
|       |                                                        | HOURS            |  | 1700 |  |       |  |  |  |
|       | <b>SUSPENSION, AXLES, BRAKES AND RUNNING GEAR</b>      |                  |  |      |  |       |  |  |  |
| RG1   | Visual inspection for security of all connections      |                  |  | I    |  |       |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  |  | u    |  |       |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                  |  | t    |  |       |  |  |  |
|       | <b>ABS SYSTEM CHECKS</b>                               |                  |  |      |  |       |  |  |  |
| ABS1  | Check brake chambers                                   |                  |  | I    |  |       |  |  |  |
| ABS2  | Clean / Replace line filters                           |                  |  | Cc   |  |       |  |  |  |
| ABS3  | Check trailer air couplings                            |                  |  | IC   |  |       |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                  |  |      |  |       |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  |  | C    |  |       |  |  |  |
| ABS6  | Check air tank mountings                               |                  |  |      |  |       |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  |  |      |  |       |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  |  | I    |  |       |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  |  | I    |  |       |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  |  | I    |  |       |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  |  | I    |  |       |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  |  | I    |  |       |  |  |  |
| ABS13 | Test for air leaks                                     |                  |  | I    |  |       |  |  |  |
| ABS14 | System test                                            |                  |  |      |  |       |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



|                                                                                                     |                                 |
|-----------------------------------------------------------------------------------------------------|---------------------------------|
| <h1 style="margin: 0;">STEELBRO</h1> <h2 style="margin: 10px 0 0 0;">PRESSURE<br/>RECORD SHEET</h2> | DATE:.....                      |
|                                                                                                     | SERVICE REFERENCE:.....         |
|                                                                                                     | COMPANY:.....                   |
|                                                                                                     | CONTACT NAME:.....              |
|                                                                                                     | SERVICE ENGINEER NAME:<br>..... |
| SERIAL NUMBER:.....                                                                                 |                                 |

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....

SERVICE REFERENCE:.....

COMPANY:.....

CONTACT NAME:.....

SERVICE ENGINEER NAME:

.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



**STEELBRO**

**SERVICE PROGRAM**

**SERVICE REFERENCE  
1800 HR**

VERSION: G0001\_1800HR V3

DATE:.....  
DATE LAST SERVICE:.....  
NEXT SERVICE DUE:.....  
COMPANY:.....

FLEET NUMBER:.....  
PM REGO NUMBER:.....  
VIN NUMBER:.....

SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

**NB THIS SERVICE CHECK SHEET IS FOR SERVICING AND CHECKING THE CRANES AND OPERATING SYSTEM.  
THIS SERVICE CHECK SHEET IS NOT A DEPARTMENT OF TRANSPORT SAFETY CHECK SHEET; IT IS A STEELBRO SERVICE  
PROGRAM DESIGNED TO MEET THE DEMANDS OF THE STEELBRO SIDELIFTER.**

**WORK REQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:**

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**For any comments NOTES reference check number first then comment:**

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SERVICE CENTRE:.....

DATE:.....

TECHNICIAN SIGNATURE:.....

CUSTOMER SIGNATURE:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No | SERVICE ITEM | SERVICE INTERVAL |      |  | NOTES |
|----|--------------|------------------|------|--|-------|
|    |              | MONTHS           | 54   |  |       |
|    |              | HOURS            | 1800 |  |       |

| ENGINE           |                                                              |  |       |  |  |
|------------------|--------------------------------------------------------------|--|-------|--|--|
| E2               | Check / Change engine oil                                    |  | R     |  |  |
| E3               | Cleaning / Replace of air cleaner element                    |  | R     |  |  |
| E4               | Cleaning / Replace fuel filter                               |  | C     |  |  |
| E5               | Check battery electrolyte level                              |  | I     |  |  |
| E6               |                                                              |  |       |  |  |
| E7               | Replace oil filter cartridge                                 |  | R     |  |  |
| E8               | Check / Replace intake air line                              |  | I     |  |  |
| E9               | Clean sediment out of fuel tank                              |  |       |  |  |
| E10              | Check / Replace fuel line                                    |  | S     |  |  |
| E11              | Check / Change radiator coolant                              |  |       |  |  |
| E12              | Check / Replace fan belt                                     |  | I     |  |  |
| E13              | Check valve clearance                                        |  |       |  |  |
| E14              | Check fuel injection nozzle injection pressure               |  |       |  |  |
| E15              | Check injection pump                                         |  |       |  |  |
| E16              | Check battery electrolyte level test                         |  | I     |  |  |
| E17              | Check / Replace fuel pipes and clamp bands                   |  | I     |  |  |
| E18              | Check exhaust and manifold bolts for security                |  | T     |  |  |
| E19              | Check engine throttle / stop mounting and operation          |  | T     |  |  |
| E20              | Check engine speed is set correctly                          |  | I     |  |  |
| E21              | Check stop system is functions correctly                     |  | I     |  |  |
| E22              | Check all engine bolts                                       |  | T     |  |  |
| HYDRAULIC SYSTEM |                                                              |  |       |  |  |
| H1               | Change high pressure filter                                  |  | R     |  |  |
| H2               | Change hydraulic return filter                               |  | R     |  |  |
| H3               | Take oil sample and change when required                     |  | E     |  |  |
| H4               | Clean / Change hydraulic breather cap filter                 |  | C     |  |  |
| H5               | Check hydraulic hose and tube fittings                       |  | T     |  |  |
| H6               | Check all tube clamps are secure                             |  | I     |  |  |
| H7               | Check / Record system pressures (Adjust if required)         |  | lk    |  |  |
| H8               | Check cylinder valves for leaks or replace O rings           |  | I     |  |  |
| H9               | Check / Replace overcenter check valve cap screws            |  | T     |  |  |
| H10              | Check Danfoss valves for oil leaks                           |  | I     |  |  |
| H11              |                                                              |  |       |  |  |
| H12              | Check overcenter cartridge lock nuts are tight               |  | I     |  |  |
| H13              | Record high speed times of top and bottom arms               |  | lh    |  |  |
| H14              | Check hydraulic motors for leaks                             |  | I     |  |  |
| H15              | Check for any damaged hydraulic tubes (Replace as required ) |  | I     |  |  |
| H16              | Check all hoses for wear or damage                           |  | I     |  |  |
| H17              | Check cylinder case or rod for any damage or leaks           |  | I     |  |  |
| H18              | Check PTO mounting bolts and prop shaft                      |  | T     |  |  |
| H19              | Check PTO mountings and couplings                            |  | I / C |  |  |
| H20              | Check pump drive coupling (Power pack)                       |  |       |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No  | SERVICE ITEM                                                     | SERVICE INTERVAL |  |      |  | NOTES |
|-----|------------------------------------------------------------------|------------------|--|------|--|-------|
|     |                                                                  | MONTHS           |  | 54   |  |       |
|     |                                                                  | HOURS            |  | 1800 |  |       |
|     |                                                                  |                  |  |      |  |       |
|     | STRUCTURE                                                        |                  |  |      |  |       |
| S1  | Check G pins for wear and movement                               |                  |  | Id   |  |       |
| S2  | Check all bushes for wear                                        |                  |  | I    |  |       |
| S3  | Check all pin keepers                                            |                  |  | T    |  |       |
| S4  | Check all crane base bash plates for damage                      |                  |  | I    |  |       |
| S5  | Check / Strengthen off side bash plate                           |                  |  | I    |  |       |
| S6  | Check all arm / legs and crane bases for cracks                  |                  |  | I    |  |       |
| S7  | Clean chassis top flange surface                                 |                  |  | C    |  |       |
| S8  | Check load transfer clearance and torque bolts                   |                  |  | T    |  |       |
| S9  | Check all hose guide systems for damage and location             |                  |  | I    |  |       |
| S10 | Check twistlocks and twistlock handles                           |                  |  | I    |  |       |
| S11 | Check hammer locks and lifting lugs                              |                  |  | I    |  |       |
| S12 | Check all crane base lock position on chassis for damage or wear |                  |  | I    |  |       |
| S13 | Check center beam slides for foot clearance                      |                  |  | I    |  |       |
| S14 | Check center beam slide stops                                    |                  |  | I    |  |       |
| S15 | Check center beam slide chains and eye bolts                     |                  |  | I    |  |       |
| S16 | Check crane base guide angles for bends and cracks               |                  |  | I    |  |       |
| S17 | Check nylon track aluminum is torque to chassis                  |                  |  | T    |  |       |
| S18 | Check nylon track is tight / and not damaged                     |                  |  | T    |  |       |
| S19 | Check linklocks for damage or wear                               |                  |  | I    |  |       |
| S20 | Check chassis for cracks and distortion                          |                  |  | I    |  |       |
| S21 | Check king pin and rub plate                                     |                  |  | I    |  |       |
| S22 | Grease crane base locks                                          |                  |  | G    |  |       |
| S23 | Grease arms                                                      |                  |  | Gi   |  |       |
| S24 | Grease T/B locks                                                 |                  |  | G    |  |       |
| S25 | Grease landing legs                                              |                  |  | G    |  |       |
|     | SYSTEM TESTS AND ADJUSTMENTS                                     |                  |  |      |  |       |
| A1  | Check leg angle system                                           |                  |  | I    |  |       |
| A2  | Check crane base locking system                                  |                  |  | I    |  |       |
| A3  | Check timing and synchronization                                 |                  |  | Im   |  |       |
| A4  | Check radio remote settings                                      |                  |  | In   |  |       |
| A5  | Check ignition stop for radio remote                             |                  |  | I    |  |       |
| A6  | Check safety system functions                                    |                  |  | I    |  |       |
| A7  | Check optical sensor                                             |                  |  | I    |  |       |
| A8  | Check system pressures                                           |                  |  | lo   |  |       |
| A9  | Check E stops                                                    |                  |  | I    |  |       |
| A10 | Check rack and pinion adjustments                                |                  |  | Te   |  |       |
| A11 | Check side guide clearance                                       |                  |  | I    |  |       |
| A12 | Check load transfer clearance and wear pads                      |                  |  | I    |  |       |
| A13 | Check PVG 32 neutral points for coils                            |                  |  | Ih   |  |       |
| A14 | Check Sidelifter night light system                              |                  |  | I    |  |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |                  |  | I    |  |       |
| A16 | Check all warning beepers                                        |                  |  | I    |  |       |
| A17 | Check manual override system                                     |                  |  | I    |  |       |
| A18 | Check steer axle system                                          |                  |  | I    |  |       |
| A19 | Check lift axle system                                           |                  |  | I    |  |       |
| A20 | Check lifting chains                                             |                  |  | I    |  |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |                  |  | I    |  |       |
| A22 | Sidelifter load test                                             |                  |  |      |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No   | SERVICE ITEM                                                                                                                             | SERVICE INTERVAL |  |      |  | NOTES |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|------|--|-------|--|--|--|
|      |                                                                                                                                          | MONTHS           |  | 54   |  |       |  |  |  |
|      |                                                                                                                                          | HOURS            |  | 1800 |  |       |  |  |  |
|      | <b>ELECTRICAL SYSTEM</b>                                                                                                                 |                  |  |      |  |       |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |                  |  |      |  |       |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |                  |  | T    |  |       |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |                  |  | I    |  |       |  |  |  |
| EL4  | Check cables / plugs and Aerial connections for radio remote                                                                             |                  |  | I    |  |       |  |  |  |
| EL5  | Check battery connection                                                                                                                 |                  |  | T    |  |       |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |                  |  | I    |  |       |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |                  |  | T    |  |       |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |                  |  | I    |  |       |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |                  |  | C    |  |       |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |                  |  | I    |  |       |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |                  |  | I    |  |       |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |                  |  | I    |  |       |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |                  |  | I    |  |       |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |                  |  | I    |  |       |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |                  |  | I    |  |       |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |                  |  | T    |  |       |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |                  |  | I    |  |       |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |                  |  |      |  |       |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |                  |  | I    |  |       |  |  |  |
|      | <b>SMARTlift</b>                                                                                                                         |                  |  |      |  |       |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |                  |  | T    |  |       |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |                  |  | I    |  |       |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies are                                                                                        |                  |  | T    |  |       |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |                  |  | T    |  |       |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |                  |  | I    |  |       |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |                  |  | I    |  |       |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |                  |  | I    |  |       |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |                  |  | I    |  |       |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1 and 0                                                                                          |                  |  | I    |  |       |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |                  |  | I    |  |       |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |                  |  | I    |  |       |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |                  |  | I    |  |       |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |                  |  | I    |  |       |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |                  |  | I    |  |       |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |                  |  | I    |  |       |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |                  |  | I    |  |       |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |                  |  | I    |  |       |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |                  |  | I    |  |       |  |  |  |
| SL19 | Check Calibration                                                                                                                        |                  |  | I    |  |       |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |  |      | NOTES |  |  |  |  |
|-------|--------------------------------------------------------|------------------|--|------|-------|--|--|--|--|
|       |                                                        | MONTHS           |  | 54   |       |  |  |  |  |
|       |                                                        | HOURS            |  | 1800 |       |  |  |  |  |
|       | <b>SUSPENSION, AXLES, BRAKES AND RUNNING GEAR</b>      |                  |  |      |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |                  |  | I    |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  |  | u    |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                  |  | t    |       |  |  |  |  |
|       | <b>ABS SYSTEM CHECKS</b>                               |                  |  |      |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |                  |  | I    |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |                  |  | Cc   |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |                  |  | IC   |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                  |  | S    |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  |  | C    |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |                  |  | T    |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  |  | S    |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  |  | I    |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  |  | I    |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  |  | I    |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  |  | I    |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  |  | I    |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |                  |  | I    |       |  |  |  |  |
| ABS14 | System test                                            |                  |  | Ig   |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



# STEELBRO

## PRESSURE RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....

SERVICE REFERENCE:.....

COMPANY:.....

CONTACT NAME:.....

SERVICE ENGINEER NAME:

.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No | SERVICE ITEM | SERVICE INTERVAL | MONTHS |  | 57   |  |       |
|----|--------------|------------------|--------|--|------|--|-------|
|    |              |                  |        |  |      |  | NOTES |
|    |              |                  | HOURS  |  | 1900 |  |       |

| ENGINE           |                                                              |  |  |       |  |  |  |
|------------------|--------------------------------------------------------------|--|--|-------|--|--|--|
| E2               | Check / Change engine oil                                    |  |  |       |  |  |  |
| E3               | Cleaning / Replace of air cleaner element                    |  |  | C     |  |  |  |
| E4               | Cleaning / Replace fuel filter                               |  |  | C     |  |  |  |
| E5               | Check battery electrolyte level                              |  |  | I     |  |  |  |
| E6               |                                                              |  |  |       |  |  |  |
| E7               | Replace oil filter cartridge                                 |  |  |       |  |  |  |
| E8               | Check / Replace intake air line                              |  |  |       |  |  |  |
| E9               | Clean sediment out of fuel tank                              |  |  |       |  |  |  |
| E10              | Check / Replace fuel line                                    |  |  | I     |  |  |  |
| E11              | Check / Change radiator coolant                              |  |  |       |  |  |  |
| E12              | Check / Replace fan belt                                     |  |  | I     |  |  |  |
| E13              | Check valve clearance                                        |  |  |       |  |  |  |
| E14              | Check fuel injection nozzle injection pressure               |  |  |       |  |  |  |
| E15              | Check injection pump                                         |  |  |       |  |  |  |
| E16              | Check battery electrolyte level test                         |  |  | I     |  |  |  |
| E17              | Check / Replace fuel pipes and clamp bands                   |  |  |       |  |  |  |
| E18              | Check exhaust and manifold bolts for security                |  |  | T     |  |  |  |
| E19              | Check engine throttle / stop mounting and operation          |  |  | T     |  |  |  |
| E20              | Check engine speed is set correctly                          |  |  |       |  |  |  |
| E21              | Check stop system is functions correctly                     |  |  | I     |  |  |  |
| E22              | Check all engine bolts                                       |  |  |       |  |  |  |
| HYDRAULIC SYSTEM |                                                              |  |  |       |  |  |  |
| H1               | Change high pressure filter                                  |  |  | I     |  |  |  |
| H2               | Change hydraulic return filter                               |  |  | I     |  |  |  |
| H3               | Take oil sample and change when required                     |  |  |       |  |  |  |
| H4               | Clean / Change hydraulic breather cap filter                 |  |  | C     |  |  |  |
| H5               | Check hydraulic hose and tube fittings                       |  |  | T     |  |  |  |
| H6               | Check all tube clamps are secure                             |  |  | I     |  |  |  |
| H7               | Check / Record system pressures (Adjust if required)         |  |  | lk    |  |  |  |
| H8               | Check cylinder valves for leaks or replace O rings           |  |  | I     |  |  |  |
| H9               | Check / Replace overcenter check valve cap screws            |  |  |       |  |  |  |
| H10              | Check Danfoss valves for oil leaks                           |  |  | I     |  |  |  |
| H11              |                                                              |  |  |       |  |  |  |
| H12              | Check overcenter cartridge lock nuts are tight               |  |  | T     |  |  |  |
| H13              | Record high speed times of top and bottom arms               |  |  |       |  |  |  |
| H14              | Check hydraulic motors for leaks                             |  |  | I     |  |  |  |
| H15              | Check for any damaged hydraulic tubes (Replace as required ) |  |  | I     |  |  |  |
| H16              | Check all hoses for wear or damage                           |  |  | I     |  |  |  |
| H17              | Check cylinder case or rod for any damage or leaks           |  |  | I     |  |  |  |
| H18              | Check PTO mounting bolts and prop shaft                      |  |  | I     |  |  |  |
| H19              | Check PTO mountings and couplings                            |  |  | I / C |  |  |  |
| H20              | Check pump drive coupling (Power pack)                       |  |  |       |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No                           | SERVICE ITEM                                                     | SERVICE INTERVAL |  |      |  | NOTES |
|------------------------------|------------------------------------------------------------------|------------------|--|------|--|-------|
|                              |                                                                  | MONTHS           |  | 57   |  |       |
|                              |                                                                  | HOURS            |  | 1900 |  |       |
|                              |                                                                  |                  |  |      |  |       |
|                              | STRUCTURE                                                        |                  |  |      |  |       |
| S1                           | Check G pins for wear and movement                               |                  |  |      |  |       |
| S2                           | Check all bushes for wear                                        |                  |  |      |  |       |
| S3                           | Check all pin keepers                                            |                  |  | I    |  |       |
| S4                           | Check all crane base bash plates for damage                      |                  |  | I    |  |       |
| S5                           | Check / Strengthen off side bash plate                           |                  |  | I    |  |       |
| S6                           | Check all arm / legs and crane bases for cracks                  |                  |  | I    |  |       |
| S7                           | Clean chassis top flange surface                                 |                  |  | C    |  |       |
| S8                           | Check load transfer clearance and torque bolts                   |                  |  | T    |  |       |
| S9                           | Check all hose guide systems for damage and location             |                  |  | I    |  |       |
| S10                          | Check twistlocks and twistlock handles                           |                  |  | I    |  |       |
| S11                          | Check hammer locks and lifting lugs                              |                  |  | I    |  |       |
| S12                          | Check all crane base lock position on chassis for damage or wear |                  |  | I    |  |       |
| S13                          | Check center beam slides for foot clearance                      |                  |  | I    |  |       |
| S14                          | Check center beam slide stops                                    |                  |  | I    |  |       |
| S15                          | Check center beam slide chains and eye bolts                     |                  |  | I    |  |       |
| S16                          | Check crane base guide angles for bends and cracks               |                  |  | I    |  |       |
| S17                          | Check nylon track aluminum is torque to chassis                  |                  |  | T    |  |       |
| S18                          | Check nylon track is tight / and not damaged                     |                  |  | T    |  |       |
| S19                          | Check linklocks for damage or wear                               |                  |  | I    |  |       |
| S20                          | Check chassis for cracks and distortion                          |                  |  | I    |  |       |
| S21                          | Check king pin and rub plate                                     |                  |  | I    |  |       |
| S22                          | Grease crane base locks                                          |                  |  | G    |  |       |
| S23                          | Grease arms                                                      |                  |  | Gi   |  |       |
| S24                          | Grease T/B locks                                                 |                  |  | G    |  |       |
| S25                          | Grease landing legs                                              |                  |  | G    |  |       |
| SYSTEM TESTS AND ADJUSTMENTS |                                                                  |                  |  |      |  |       |
| A1                           | Check leg angle system                                           |                  |  | I    |  |       |
| A2                           | Check crane base locking system                                  |                  |  | I    |  |       |
| A3                           | Check timing and synchronization                                 |                  |  |      |  |       |
| A4                           | Check radio remote settings                                      |                  |  |      |  |       |
| A5                           | Check ignition stop for radio remote                             |                  |  | I    |  |       |
| A6                           | Check safety system functions                                    |                  |  | I    |  |       |
| A7                           | Check optical sensor                                             |                  |  | I    |  |       |
| A8                           | Check system pressures                                           |                  |  | lp   |  |       |
| A9                           | Check E stops                                                    |                  |  | I    |  |       |
| A10                          | Check rack and pinion adjustments                                |                  |  | le   |  |       |
| A11                          | Check side guide clearance                                       |                  |  | I    |  |       |
| A12                          | Check load transfer clearance and wear pads                      |                  |  | I    |  |       |
| A13                          | Check PVG 32 neutral points for coils                            |                  |  |      |  |       |
| A14                          | Check Sidelifter night light system                              |                  |  | I    |  |       |
| A15                          | Check control cabinet gauges and lighting is working correctly   |                  |  | I    |  |       |
| A16                          | Check all warning beepers                                        |                  |  | I    |  |       |
| A17                          | Check manual override system                                     |                  |  | I    |  |       |
| A18                          | Check steer axle system                                          |                  |  | I    |  |       |
| A19                          | Check lift axle system                                           |                  |  | I    |  |       |
| A20                          | Check lifting chains                                             |                  |  | I    |  |       |
| A21                          | Check T/B lock system Air system and slide pads shim if required |                  |  | I    |  |       |
| A22                          | Sidelifter load test                                             |                  |  |      |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No   | SERVICE ITEM                                                                                                                             | MONTHS |  | 57   |  | NOTES |  |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--|------|--|-------|--|--|--|--|
|      |                                                                                                                                          |        |  |      |  |       |  |  |  |  |
|      |                                                                                                                                          | HOURS  |  | 1900 |  |       |  |  |  |  |
|      | <b>ELECTRICAL SYSTEM</b>                                                                                                                 |        |  |      |  |       |  |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL4  | Check cables / plugs and Aerial connections for radio remote                                                                             |        |  | I    |  |       |  |  |  |  |
| EL5  | Check battery connection                                                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |        |  |      |  |       |  |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |        |  |      |  |       |  |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |        |  |      |  |       |  |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |        |  | I    |  |       |  |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |        |  |      |  |       |  |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |        |  | I    |  |       |  |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |        |  | I    |  |       |  |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |        |  | I    |  |       |  |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |        |  |      |  |       |  |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |        |  | T    |  |       |  |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |        |  | I    |  |       |  |  |  |  |
|      | <b>SMARTlift</b>                                                                                                                         |        |  |      |  |       |  |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |        |  | T    |  |       |  |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |        |  | I    |  |       |  |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies are tight                                                                                  |        |  | T    |  |       |  |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |        |  | T    |  |       |  |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |        |  | I    |  |       |  |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |        |  | I    |  |       |  |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |        |  | I    |  |       |  |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |        |  | I    |  |       |  |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1 and 0                                                                                          |        |  | I    |  |       |  |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |        |  | I    |  |       |  |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |        |  | I    |  |       |  |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |        |  | I    |  |       |  |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |        |  | I    |  |       |  |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |        |  | I    |  |       |  |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |        |  | I    |  |       |  |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |        |  | I    |  |       |  |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |        |  | I    |  |       |  |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |        |  | I    |  |       |  |  |  |  |
| SL19 | Check Calibration                                                                                                                        |        |  | I    |  |       |  |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |  |      | NOTES |  |  |  |  |
|-------|--------------------------------------------------------|------------------|--|------|-------|--|--|--|--|
|       |                                                        | MONTHS           |  | 57   |       |  |  |  |  |
|       |                                                        | HOURS            |  | 1900 |       |  |  |  |  |
|       | <b>SUSPENSION, AXLES, BRAKES AND RUNNING GEAR</b>      |                  |  |      |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |                  |  | I    |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  |  | u    |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                  |  | t    |       |  |  |  |  |
|       | <b>ABS SYSTEM CHECKS</b>                               |                  |  |      |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |                  |  | I    |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |                  |  | Cc   |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |                  |  | IC   |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                  |  |      |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  |  | C    |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |                  |  |      |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  |  |      |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  |  | I    |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  |  | I    |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  |  | I    |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  |  | I    |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  |  | I    |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |                  |  | I    |       |  |  |  |  |
| ABS14 | System test                                            |                  |  |      |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



|                                                                                                      |                                 |
|------------------------------------------------------------------------------------------------------|---------------------------------|
| <h1 style="margin: 0;">STEELBRO</h1> <p style="margin: 10px 0;"><b>PRESSURE<br/>RECORD SHEET</b></p> | DATE:.....                      |
|                                                                                                      | SERVICE REFERENCE:.....         |
|                                                                                                      | COMPANY:.....                   |
|                                                                                                      | CONTACT NAME:.....              |
|                                                                                                      | SERVICE ENGINEER NAME:<br>..... |
| SERIAL NUMBER:.....                                                                                  |                                 |

## HYDRAULIC SYSTEM OPERATIONAL PRESSURES

### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



**STEELBRO**

**SERVICE PROGRAM**

**SERVICE REFERENCE  
2000 HR**

VERSION: G0001\_2000HR V3

DATE:.....  
DATE LAST SERVICE:.....  
NEXT SERVICE DUE:.....  
COMPANY:.....

FLEET NUMBER:.....  
PM REGO NUMBER:.....  
VIN NUMBER:.....

SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

**NB THIS SERVICE CHECK SHEET IS FOR SERVICING AND CHECKING THE CRANES AND OPERATING SYSTEM.  
THIS SERVICE CHECK SHEET IS NOT A DEPARTMENT OF TRANSPORT SAFETY CHECK SHEET; IT IS A STEELBRO SERVICE  
PROGRAM DESIGNED TO MEET THE DEMANDS OF THE STEELBRO SIDELIFTER.**

**WORK REQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:**

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**For any comments NOTES reference check number first then comment:**

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SERVICE CENTRE:.....

DATE:.....

TECHNICIAN SIGNATURE:.....

CUSTOMER SIGNATURE:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No | SERVICE ITEM | SERVICE INTERVAL | WHICH EVER COMES FIRST MONTHS OR HOURS |  |      |  | NOTES |
|----|--------------|------------------|----------------------------------------|--|------|--|-------|
|    |              |                  | MONTHS                                 |  | 60   |  |       |
|    |              |                  | HOURS                                  |  | 2000 |  |       |

| ENGINE           |                                                              |  |  |       |  |  |  |
|------------------|--------------------------------------------------------------|--|--|-------|--|--|--|
| E2               | Check / Change engine oil                                    |  |  | R     |  |  |  |
| E3               | Cleaning / Replace of air cleaner element                    |  |  | C     |  |  |  |
| E4               | Cleaning / Replace fuel filter                               |  |  | R     |  |  |  |
| E5               | Check battery electrolyte level                              |  |  | I     |  |  |  |
| E6               |                                                              |  |  |       |  |  |  |
| E7               | Replace oil filter cartridge                                 |  |  | R     |  |  |  |
| E8               | Check / Replace intake air line                              |  |  | I     |  |  |  |
| E9               | Clean sediment out of fuel tank                              |  |  |       |  |  |  |
| E10              | Check / Replace fuel line                                    |  |  | I     |  |  |  |
| E11              | Check / Change radiator coolant                              |  |  |       |  |  |  |
| E12              | Check / Replace fan belt                                     |  |  | S     |  |  |  |
| E13              | Check valve clearance                                        |  |  |       |  |  |  |
| E14              | Check fuel injection nozzle injection pressure               |  |  |       |  |  |  |
| E15              | Check injection pump                                         |  |  |       |  |  |  |
| E16              | Check battery electrolyte level test                         |  |  | I     |  |  |  |
| E17              | Check / Replace fuel pipes and clamp bands                   |  |  | I     |  |  |  |
| E18              | Check exhaust and manifold bolts for security                |  |  | T     |  |  |  |
| E19              | Check engine throttle / stop mounting and operation          |  |  | T     |  |  |  |
| E20              | Check engine speed is set correctly                          |  |  |       |  |  |  |
| E21              | Check stop system is functions correctly                     |  |  | I     |  |  |  |
| E22              | Check all engine bolts                                       |  |  | T     |  |  |  |
| HYDRAULIC SYSTEM |                                                              |  |  |       |  |  |  |
| H1               | Change high pressure filter                                  |  |  | R     |  |  |  |
| H2               | Change hydraulic return filter                               |  |  | R     |  |  |  |
| H3               | Take oil sample and change when required                     |  |  | E     |  |  |  |
| H4               | Clean / Change hydraulic breather cap filter                 |  |  | R     |  |  |  |
| H5               | Check hydraulic hose and tube fittings                       |  |  | T     |  |  |  |
| H6               | Check all tube clamps are secure                             |  |  | T     |  |  |  |
| H7               | Check / Record system pressures (Adjust if required)         |  |  | lk    |  |  |  |
| H8               | Check cylinder valves for leaks or replace O rings           |  |  | R     |  |  |  |
| H9               | Check / Replace overcenter check valve cap screws            |  |  | T     |  |  |  |
| H10              | Check Danfoss valves for oil leaks                           |  |  | I     |  |  |  |
| H11              |                                                              |  |  |       |  |  |  |
| H12              | Check overcenter cartridge lock nuts are tight               |  |  | I     |  |  |  |
| H13              | Record high speed times of top and bottom arms               |  |  | lh    |  |  |  |
| H14              | Check hydraulic motors for leaks                             |  |  | I     |  |  |  |
| H15              | Check for any damaged hydraulic tubes (Replace as required ) |  |  | I     |  |  |  |
| H16              | Check all hoses for wear or damage                           |  |  | I     |  |  |  |
| H17              | Check cylinder case or rod for any damage or leaks           |  |  | T     |  |  |  |
| H18              | Check PTO mounting bolts and prop shaft                      |  |  | T     |  |  |  |
| H19              | Check PTO mountings and couplings                            |  |  | I / C |  |  |  |
| H20              | Check pump drive coupling (Power pack)                       |  |  | I     |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No  | SERVICE ITEM                                                     | SERVICE INTERVAL |  | MONTHS | 60 | NOTES |
|-----|------------------------------------------------------------------|------------------|--|--------|----|-------|
|     |                                                                  |                  |  |        |    |       |
|     |                                                                  | HOURS            |  | 2000   |    |       |
|     |                                                                  |                  |  |        |    |       |
|     | STRUCTURE                                                        |                  |  |        |    |       |
| S1  | Check G pins for wear and movement                               |                  |  | Id     |    |       |
| S2  | Check all bushes for wear                                        |                  |  | I      |    |       |
| S3  | Check all pin keepers                                            |                  |  | T      |    |       |
| S4  | Check all crane base bash plates for damage                      |                  |  | I      |    |       |
| S5  | Check / Strengthen off side bash plate                           |                  |  | I      |    |       |
| S6  | Check all arm / legs and crane bases for cracks                  |                  |  | I      |    |       |
| S7  | Clean chassis top flange surface                                 |                  |  | C      |    |       |
| S8  | Check load transfer clearance and torque bolts                   |                  |  | T      |    |       |
| S9  | Check all hose guide systems for damage and location             |                  |  | I      |    |       |
| S10 | Check twistlocks and twistlock handles                           |                  |  | I      |    |       |
| S11 | Check hammer locks and lifting lugs                              |                  |  | I      |    |       |
| S12 | Check all crane base lock position on chassis for damage or wear |                  |  | I      |    |       |
| S13 | Check center beam slides for foot clearance                      |                  |  | I      |    |       |
| S14 | Check center beam slide stops                                    |                  |  | I      |    |       |
| S15 | Check center beam slide chains and eye bolts                     |                  |  | I      |    |       |
| S16 | Check crane base guide angles for bends and cracks               |                  |  | I      |    |       |
| S17 | Check nylon track aluminum is torque to chassis                  |                  |  | T      |    |       |
| S18 | Check nylon track is tight / and not damaged                     |                  |  | T      |    |       |
| S19 | Check linklocks for damage or wear                               |                  |  | I      |    |       |
| S20 | Check chassis for cracks and distortion                          |                  |  | I      |    |       |
| S21 | Check king pin and rub plate                                     |                  |  | S      |    |       |
| S22 | Grease crane base locks                                          |                  |  | G      |    |       |
| S23 | Grease arms                                                      |                  |  | Gi     |    |       |
| S24 | Grease T/B locks                                                 |                  |  | G      |    |       |
| S25 | Grease landing legs                                              |                  |  | G      |    |       |
|     | SYSTEM TESTS AND ADJUSTMENTS                                     |                  |  |        |    |       |
| A1  | Check leg angle system                                           |                  |  | I      |    |       |
| A2  | Check crane base locking system                                  |                  |  | I      |    |       |
| A3  | Check timing and synchronization                                 |                  |  | Im     |    |       |
| A4  | Check radio remote settings                                      |                  |  | In     |    |       |
| A5  | Check ignition stop for radio remote                             |                  |  | I      |    |       |
| A6  | Check safety system functions                                    |                  |  | I      |    |       |
| A7  | Check optical sensor                                             |                  |  | I      |    |       |
| A8  | Check system pressures                                           |                  |  | lo     |    |       |
| A9  | Check E stops                                                    |                  |  | I      |    |       |
| A10 | Check rack and pinion adjustments                                |                  |  | Te     |    |       |
| A11 | Check side guide clearance                                       |                  |  | I      |    |       |
| A12 | Check load transfer clearance and wear pads                      |                  |  | I      |    |       |
| A13 | Check PVG 32 neutral points for coils                            |                  |  |        |    |       |
| A14 | Check Sidelifter night light system                              |                  |  | I      |    |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |                  |  | I      |    |       |
| A16 | Check all warning beepers                                        |                  |  | I      |    |       |
| A17 | Check manual override system                                     |                  |  | I      |    |       |
| A18 | Check steer axle system                                          |                  |  | I      |    |       |
| A19 | Check lift axle system                                           |                  |  | I      |    |       |
| A20 | Check lifting chains                                             |                  |  | Iq     |    |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |                  |  | I      |    |       |
| A22 | Sidelifter load test                                             |                  |  | Ip     |    |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No   | SERVICE ITEM                                                                                                                             | MONTHS |  | 60   |  | NOTES |  |  |  |  |
|------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--|------|--|-------|--|--|--|--|
|      |                                                                                                                                          |        |  |      |  |       |  |  |  |  |
|      |                                                                                                                                          | HOURS  |  | 2000 |  |       |  |  |  |  |
|      | ELECTRICAL SYSTEM                                                                                                                        |        |  |      |  |       |  |  |  |  |
| EL1  | Check case of remote box                                                                                                                 |        |  |      |  |       |  |  |  |  |
| EL2  | Check remote box leads and wire enters                                                                                                   |        |  | T    |  |       |  |  |  |  |
| EL3  | Check radio remote receiver for damage                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL4  | Check cables / plugs and Aerial connections for radio remote                                                                             |        |  | I    |  |       |  |  |  |  |
| EL5  | Check battery connection                                                                                                                 |        |  | T    |  |       |  |  |  |  |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |        |  | I    |  |       |  |  |  |  |
| EL7  | Check all terminal screws are tight                                                                                                      |        |  | T    |  |       |  |  |  |  |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |        |  | I    |  |       |  |  |  |  |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |        |  | C    |  |       |  |  |  |  |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL11 | Check all cable entrees                                                                                                                  |        |  | I    |  |       |  |  |  |  |
| EL12 | Check all junction boxes are secure                                                                                                      |        |  |      |  |       |  |  |  |  |
| EL13 | Check all cable for damage                                                                                                               |        |  | I    |  |       |  |  |  |  |
| EL14 | Check conduit for damage                                                                                                                 |        |  | I    |  |       |  |  |  |  |
| EL15 | Check wiring is adequately secured                                                                                                       |        |  | I    |  |       |  |  |  |  |
| EL16 | Check fusible link on engine                                                                                                             |        |  | T    |  |       |  |  |  |  |
| EL17 | Check engine wiring for termination and condition                                                                                        |        |  | I    |  |       |  |  |  |  |
| EL18 | Check engine earth wires to chassis                                                                                                      |        |  |      |  |       |  |  |  |  |
| EL19 | Check for correct operation of trailer lights                                                                                            |        |  | I    |  |       |  |  |  |  |
|      | SMARTlift                                                                                                                                |        |  |      |  |       |  |  |  |  |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |        |  | T    |  |       |  |  |  |  |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |        |  | I    |  |       |  |  |  |  |
| SL3  | Check all angle sensor plug/socket assemblies are tight                                                                                  |        |  | T    |  |       |  |  |  |  |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |        |  | T    |  |       |  |  |  |  |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |        |  | I    |  |       |  |  |  |  |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |        |  | I    |  |       |  |  |  |  |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |        |  | I    |  |       |  |  |  |  |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |        |  | I    |  |       |  |  |  |  |
| SL9  | OPTICAL sensor should alternate between 1 and 0                                                                                          |        |  | I    |  |       |  |  |  |  |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |        |  | I    |  |       |  |  |  |  |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |        |  | I    |  |       |  |  |  |  |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |        |  | I    |  |       |  |  |  |  |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |        |  | I    |  |       |  |  |  |  |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |        |  | I    |  |       |  |  |  |  |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |        |  | I    |  |       |  |  |  |  |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |        |  | I    |  |       |  |  |  |  |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |        |  | I    |  |       |  |  |  |  |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |        |  | I    |  |       |  |  |  |  |
| SL19 | Check Calibration                                                                                                                        |        |  | I    |  |       |  |  |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |  | MONTHS | 60 | NOTES |  |  |  |  |
|-------|--------------------------------------------------------|------------------|--|--------|----|-------|--|--|--|--|
|       |                                                        |                  |  |        |    |       |  |  |  |  |
|       |                                                        | HOURS            |  | 2000   |    |       |  |  |  |  |
|       | SUSPENSION, AXLES, BRAKES AND RUNNING GEAR             |                  |  |        |    |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |                  |  | I      |    |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  |  | u      |    |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |                  |  | t      |    |       |  |  |  |  |
|       | ABS SYSTEM CHECKS                                      |                  |  |        |    |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |                  |  | I      |    |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |                  |  | R      |    |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |                  |  | IC     |    |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |                  |  | S      |    |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  |  | C      |    |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |                  |  | T      |    |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  |  | S      |    |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  |  | I      |    |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  |  | I      |    |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  |  | I      |    |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  |  | I      |    |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  |  | I      |    |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |                  |  | I      |    |       |  |  |  |  |
| ABS14 | System test                                            |                  |  | Ig     |    |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



# STEELBRO

## PRESSURE RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



**STEELBRO**

**SERVICE PROGRAM**

**SERVICE REFERENCE  
2100 HR**

VERSION: G0001\_2100HR V3

DATE:.....  
DATE LAST SERVICE:.....  
NEXT SERVICE DUE:.....  
COMPANY:.....

FLEET NUMBER:.....  
PM REGO NUMBER:.....  
VIN NUMBER:.....

SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

**NB THIS SERVICE CHECK SHEET IS FOR SERVICING AND CHECKING THE CRANES AND OPERATING SYSTEM.  
THIS SERVICE CHECK SHEET IS NOT A DEPARTMENT OF TRANSPORT SAFETY CHECK SHEET; IT IS A STEELBRO SERVICE  
PROGRAM DESIGNED TO MEET THE DEMANDS OF THE STEELBRO SIDELIFTER.**

**WORK REQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:**

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**For any comments NOTES reference check number first then comment:**

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SERVICE CENTRE:.....

DATE:.....

TECHNICIAN SIGNATURE:.....

CUSTOMER SIGNATURE:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No | SERVICE ITEM | SERVICE INTERVAL |      |  | NOTES |
|----|--------------|------------------|------|--|-------|
|    |              | MONTHS           | 63   |  |       |
|    |              | HOURS            | 2100 |  |       |

| ENGINE           |                                                              |  |       |  |  |
|------------------|--------------------------------------------------------------|--|-------|--|--|
| E2               | Check / Change engine oil                                    |  |       |  |  |
| E3               | Cleaning / Replace of air cleaner element                    |  | C     |  |  |
| E4               | Cleaning / Replace fuel filter                               |  | C     |  |  |
| E5               | Check battery electrolyte level                              |  | I     |  |  |
| E6               |                                                              |  |       |  |  |
| E7               | Replace oil filter cartridge                                 |  |       |  |  |
| E8               | Check / Replace intake air line                              |  |       |  |  |
| E9               | Clean sediment out of fuel tank                              |  |       |  |  |
| E10              | Check / Replace fuel line                                    |  | I     |  |  |
| E11              | Check / Change radiator coolant                              |  |       |  |  |
| E12              | Check / Replace fan belt                                     |  | I     |  |  |
| E13              | Check valve clearance                                        |  |       |  |  |
| E14              | Check fuel injection nozzle injection pressure               |  |       |  |  |
| E15              | Check injection pump                                         |  |       |  |  |
| E16              | Check battery electrolyte level test                         |  | I     |  |  |
| E17              | Check / Replace fuel pipes and clamp bands                   |  |       |  |  |
| E18              | Check exhaust and manifold bolts for security                |  | T     |  |  |
| E19              | Check engine throttle / stop mounting and operation          |  | T     |  |  |
| E20              | Check engine speed is set correctly                          |  | I     |  |  |
| E21              | Check stop system is functions correctly                     |  | I     |  |  |
| E22              | Check all engine bolts                                       |  |       |  |  |
| HYDRAULIC SYSTEM |                                                              |  |       |  |  |
| H1               | Change high pressure filter                                  |  | I     |  |  |
| H2               | Change hydraulic return filter                               |  | I     |  |  |
| H3               | Take oil sample and change when required                     |  | I     |  |  |
| H4               | Clean / Change hydraulic breather cap filter                 |  | C     |  |  |
| H5               | Check hydraulic hose and tube fittings                       |  | T     |  |  |
| H6               | Check all tube clamps are secure                             |  | I     |  |  |
| H7               | Check / Record system pressures (Adjust if required)         |  | Ik    |  |  |
| H8               | Check cylinder valves for leaks or replace O rings           |  | I     |  |  |
| H9               | Check / Replace overcenter check valve cap screws            |  |       |  |  |
| H10              | Check Danfoss valves for oil leaks                           |  | I     |  |  |
| H11              |                                                              |  |       |  |  |
| H12              | Check overcenter cartridge lock nuts are tight               |  | T     |  |  |
| H13              | Record high speed times of top and bottom arms               |  |       |  |  |
| H14              | Check hydraulic motors for leaks                             |  | I     |  |  |
| H15              | Check for any damaged hydraulic tubes (Replace as required ) |  | I     |  |  |
| H16              | Check all hoses for wear or damage                           |  | I     |  |  |
| H17              | Check cylinder case or rod for any damage or leaks           |  | I     |  |  |
| H18              | Check PTO mounting bolts and prop shaft                      |  | I     |  |  |
| H19              | Check PTO mountings and couplings                            |  | I / C |  |  |
| H20              | Check pump drive coupling (Power pack)                       |  |       |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No  | SERVICE ITEM                                                     | SERVICE INTERVAL |  |      |  | NOTES |
|-----|------------------------------------------------------------------|------------------|--|------|--|-------|
|     |                                                                  | MONTHS           |  | 63   |  |       |
|     |                                                                  | HOURS            |  | 2100 |  |       |
|     |                                                                  |                  |  |      |  |       |
|     | STRUCTURE                                                        |                  |  |      |  |       |
| S1  | Check G pins for wear and movement                               |                  |  |      |  |       |
| S2  | Check all bushes for wear                                        |                  |  |      |  |       |
| S3  | Check all pin keepers                                            |                  |  | I    |  |       |
| S4  | Check all crane base bash plates for damage                      |                  |  | I    |  |       |
| S5  | Check / Strengthen off side bash plate                           |                  |  | I    |  |       |
| S6  | Check all arm / legs and crane bases for cracks                  |                  |  | I    |  |       |
| S7  | Clean chassis top flange surface                                 |                  |  | C    |  |       |
| S8  | Check load transfer clearance and torque bolts                   |                  |  | T    |  |       |
| S9  | Check all hose guide systems for damage and location             |                  |  | I    |  |       |
| S10 | Check twistlocks and twistlock handles                           |                  |  | I    |  |       |
| S11 | Check hammer locks and lifting lugs                              |                  |  | I    |  |       |
| S12 | Check all crane base lock position on chassis for damage or wear |                  |  | I    |  |       |
| S13 | Check center beam slides for foot clearance                      |                  |  | I    |  |       |
| S14 | Check center beam slide stops                                    |                  |  | I    |  |       |
| S15 | Check center beam slide chains and eye bolts                     |                  |  | I    |  |       |
| S16 | Check crane base guide angles for bends and cracks               |                  |  | I    |  |       |
| S17 | Check nylon track aluminum is torque to chassis                  |                  |  | T    |  |       |
| S18 | Check nylon track is tight / and not damaged                     |                  |  | T    |  |       |
| S19 | Check linklocks for damage or wear                               |                  |  | I    |  |       |
| S20 | Check chassis for cracks and distortion                          |                  |  | I    |  |       |
| S21 | Check king pin and rub plate                                     |                  |  | I    |  |       |
| S22 | Grease crane base locks                                          |                  |  | G    |  |       |
| S23 | Grease arms                                                      |                  |  | Gi   |  |       |
| S24 | Grease T/B locks                                                 |                  |  | G    |  |       |
| S25 | Grease landing legs                                              |                  |  | G    |  |       |
|     | SYSTEM TESTS AND ADJUSTMENTS                                     |                  |  |      |  |       |
| A1  | Check leg angle system                                           |                  |  | I    |  |       |
| A2  | Check crane base locking system                                  |                  |  | I    |  |       |
| A3  | Check timing and synchronization                                 |                  |  |      |  |       |
| A4  | Check radio remote settings                                      |                  |  |      |  |       |
| A5  | Check ignition stop for radio remote                             |                  |  | I    |  |       |
| A6  | Check safety system functions                                    |                  |  | I    |  |       |
| A7  | Check optical sensor                                             |                  |  | I    |  |       |
| A8  | Check system pressures                                           |                  |  | lo   |  |       |
| A9  | Check E stops                                                    |                  |  | I    |  |       |
| A10 | Check rack and pinion adjustments                                |                  |  | le   |  |       |
| A11 | Check side guide clearance                                       |                  |  | I    |  |       |
| A12 | Check load transfer clearance and wear pads                      |                  |  | I    |  |       |
| A13 | Check PVG 32 neutral points for coils                            |                  |  | Ih   |  |       |
| A14 | Check Sidelifter night light system                              |                  |  | I    |  |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |                  |  | I    |  |       |
| A16 | Check all warning beepers                                        |                  |  | I    |  |       |
| A17 | Check manual override system                                     |                  |  | I    |  |       |
| A18 | Check steer axle system                                          |                  |  | I    |  |       |
| A19 | Check lift axle system                                           |                  |  | I    |  |       |
| A20 | Check lifting chains                                             |                  |  | Iq   |  |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |                  |  | I    |  |       |
| A22 | Sidelifter load test                                             |                  |  |      |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

| No   | SERVICE ITEM                                                                                                                                | SERVICE INTERVAL |      |  | NOTES |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|--|-------|
|      |                                                                                                                                             | MONTHS           | 63   |  |       |
|      |                                                                                                                                             | HOURS            | 2100 |  |       |
|      | <b>ELECTRICAL SYSTEM</b>                                                                                                                    |                  |      |  |       |
| EL1  | Check case of remote box                                                                                                                    |                  | I    |  |       |
| EL2  | Check remote box leads and wire enters                                                                                                      |                  |      |  |       |
| EL3  | Check radio remote receiver for damage                                                                                                      |                  |      |  |       |
| EL4  | Check cables / plugs and Aerial connections for radio remote                                                                                |                  |      |  |       |
| EL5  | Check battery connection                                                                                                                    |                  |      |  |       |
| EL6  | Check all relays and EHF's are fitting                                                                                                      |                  |      |  |       |
| EL7  | Check all terminal screws are tight                                                                                                         |                  |      |  |       |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                        |                  |      |  |       |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                                |                  |      |  |       |
| EL10 | Check all junction boxes for seals and general condition                                                                                    |                  | I    |  |       |
| EL11 | Check all cable entrees                                                                                                                     |                  | I    |  |       |
| EL12 | Check all junction boxes are secure                                                                                                         |                  |      |  |       |
| EL13 | Check all cable for damage                                                                                                                  |                  | I    |  |       |
| EL14 | Check conduit for damage                                                                                                                    |                  | I    |  |       |
| EL15 | Check wiring is adequately secured                                                                                                          |                  | I    |  |       |
| EL16 | Check fusible link on engine                                                                                                                |                  | I    |  |       |
| EL17 | Check engine wiring for termination and condition                                                                                           |                  |      |  |       |
| EL18 | Check engine earth wires to chassis                                                                                                         |                  | T    |  |       |
| EL19 | Check for correct operation of trailer lights                                                                                               |                  | I    |  |       |
|      | <b>SMARTlift</b>                                                                                                                            |                  |      |  |       |
| SL1  | Ensure that all junction box cable glands are tight                                                                                         |                  | T    |  |       |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                                |                  | I    |  |       |
| SL3  | Check all angle sensor plug/socket assemblies are                                                                                           |                  | T    |  |       |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                         |                  | T    |  |       |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                             |                  | I    |  |       |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                     |                  | I    |  |       |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                     |                  | I    |  |       |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                               |                  | I    |  |       |
| SL9  | OPTICAL sensor should alternate between 1 and 0                                                                                             |                  | I    |  |       |
| SL10 | Castellated plastic strip passes under the sensor.<br>Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |                  | I    |  |       |
| SL11 | With the Stabiliser fully extended check the values                                                                                         |                  | I    |  |       |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                                |                  | I    |  |       |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                   |                  | I    |  |       |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                   |                  | I    |  |       |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                                  |                  | I    |  |       |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                    |                  | I    |  |       |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                   |                  | I    |  |       |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                     |                  | I    |  |       |
| SL19 | Check Calibration                                                                                                                           |                  | I    |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | SERVICE INTERVAL |  |      | NOTES |  |  |
|-------|--------------------------------------------------------|------------------|--|------|-------|--|--|
|       |                                                        | MONTHS           |  | 63   |       |  |  |
|       |                                                        | HOURS            |  | 2100 |       |  |  |
|       | <b>SUSPENSION, AXLES, BRAKES AND RUNNING GEAR</b>      |                  |  |      |       |  |  |
| RG1   | Visual inspection for security of all connections      |                  |  | I    |       |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |                  |  | u    |       |  |  |
| RG3   | Refer to manufactures guidelines                       |                  |  | t    |       |  |  |
|       | <b>ABS SYSTEM CHECKS</b>                               |                  |  |      |       |  |  |
| ABS1  | Check brake chambers                                   |                  |  | I    |       |  |  |
| ABS2  | Clean / Replace line filters                           |                  |  | Cc   |       |  |  |
| ABS3  | Check trailer air couplings                            |                  |  | IC   |       |  |  |
| ABS4  | Check test point are sealing correctly                 |                  |  |      |       |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |                  |  | C    |       |  |  |
| ABS6  | Check air tank mountings                               |                  |  |      |       |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |                  |  |      |       |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |                  |  | I    |       |  |  |
| ABS9  | Check all nylon air lines for damage                   |                  |  | I    |       |  |  |
| ABS10 | Check all brake hose for wear and tear                 |                  |  | I    |       |  |  |
| ABS11 | Check all hose clamps on brake hose                    |                  |  | I    |       |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |                  |  | I    |       |  |  |
| ABS13 | Test for air leaks                                     |                  |  | I    |       |  |  |
| ABS14 | System test                                            |                  |  |      |       |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



|                                                                                                     |                                 |
|-----------------------------------------------------------------------------------------------------|---------------------------------|
| <h1 style="margin: 0;">STEELBRO</h1> <h2 style="margin: 10px 0 0 0;">PRESSURE<br/>RECORD SHEET</h2> | DATE:.....                      |
|                                                                                                     | SERVICE REFERENCE:.....         |
|                                                                                                     | COMPANY:.....                   |
|                                                                                                     | CONTACT NAME:.....              |
|                                                                                                     | SERVICE ENGINEER NAME:<br>..... |
| SERIAL NUMBER:.....                                                                                 |                                 |

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |



SERIAL NUMBER:.....  
SIDELIFTER MODEL:.....  
HOUR METER READING:.....  
HUBO METER READING:.....

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No | SERVICE ITEM | SERVICE INTERVAL |  |      |  | NOTES |
|----|--------------|------------------|--|------|--|-------|
|    |              | MONTHS           |  |      |  |       |
|    |              | HOURS            |  | 3000 |  |       |

| ENGINE           |                                                              |  |  |   |  |  |
|------------------|--------------------------------------------------------------|--|--|---|--|--|
| E2               | Check / Change engine oil                                    |  |  |   |  |  |
| E3               | Cleaning / Replace of air cleaner element                    |  |  |   |  |  |
| E4               | Cleaning / Replace fuel filter                               |  |  |   |  |  |
| E5               | Check battery electrolyte level                              |  |  |   |  |  |
| E6               |                                                              |  |  |   |  |  |
| E7               | Replace oil filter cartridge                                 |  |  |   |  |  |
| E8               | Check / Replace intake air line                              |  |  |   |  |  |
| E9               | Clean sediment out of fuel tank                              |  |  |   |  |  |
| E10              | Check / Replace fuel line                                    |  |  |   |  |  |
| E11              | Check / Change radiator coolant                              |  |  |   |  |  |
| E12              | Check / Replace fan belt                                     |  |  |   |  |  |
| E13              | Check valve clearance                                        |  |  |   |  |  |
| E14              | Check fuel injection nozzle injection pressure               |  |  |   |  |  |
| E15              | Check injection pump                                         |  |  | I |  |  |
| E16              | Check battery electrolyte level test                         |  |  | I |  |  |
| E17              | Check / Replace fuel pipes and clamp bands                   |  |  |   |  |  |
| E18              | Check exhaust and manifold bolts for security                |  |  |   |  |  |
| E19              | Check engine throttle / stop mounting and operation          |  |  |   |  |  |
| E20              | Check engine speed is set correctly                          |  |  |   |  |  |
| E21              | Check stop system is functions correctly                     |  |  |   |  |  |
| E22              | Check all engine bolts                                       |  |  |   |  |  |
| HYDRAULIC SYSTEM |                                                              |  |  |   |  |  |
| H1               | Change high pressure filter                                  |  |  |   |  |  |
| H2               | Change hydraulic return filter                               |  |  |   |  |  |
| H3               | Take oil sample and change when required                     |  |  |   |  |  |
| H4               | Clean / Change hydraulic breather cap filter                 |  |  |   |  |  |
| H5               | Check hydraulic hose and tube fittings                       |  |  |   |  |  |
| H6               | Check all tube clamps are secure                             |  |  |   |  |  |
| H7               | Check / Record system pressures (Adjust if required)         |  |  |   |  |  |
| H8               | Check cylinder valves for leaks or replace O rings           |  |  |   |  |  |
| H9               | Check / Replace overcenter check valve cap screws            |  |  | R |  |  |
| H10              | Check Danfoss valves for oil leaks                           |  |  |   |  |  |
| H11              |                                                              |  |  |   |  |  |
| H12              | Check overcenter cartridge lock nuts are tight               |  |  |   |  |  |
| H13              | Record high speed times of top and bottom arms               |  |  |   |  |  |
| H14              | Check hydraulic motors for leaks                             |  |  |   |  |  |
| H15              | Check for any damaged hydraulic tubes (Replace as required ) |  |  |   |  |  |
| H16              | Check all hoses for wear or damage                           |  |  |   |  |  |
| H17              | Check cylinder case or rod for any damage or leaks           |  |  |   |  |  |
| H18              | Check PTO mounting bolts and prop shaft                      |  |  |   |  |  |
| H19              | Check PTO mountings and couplings                            |  |  |   |  |  |
| H20              | Check pump drive coupling (Power pack)                       |  |  |   |  |  |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No  | SERVICE ITEM                                                     | SERVICE INTERVAL |  |      |  | NOTES |
|-----|------------------------------------------------------------------|------------------|--|------|--|-------|
|     |                                                                  | MONTHS           |  |      |  |       |
|     |                                                                  | HOURS            |  | 3000 |  |       |
|     | <b>STRUCTURE</b>                                                 |                  |  |      |  |       |
| S1  | Check G pins for wear and movement                               |                  |  |      |  |       |
| S2  | Check all bushes for wear                                        |                  |  |      |  |       |
| S3  | Check all pin keepers                                            |                  |  |      |  |       |
| S4  | Check all crane base bash plates for damage                      |                  |  |      |  |       |
| S5  | Check / Strengthen off side bash plate                           |                  |  |      |  |       |
| S6  | Check all arm / legs and crane bases for cracks                  |                  |  |      |  |       |
| S7  | Clean chassis top flange surface                                 |                  |  |      |  |       |
| S8  | Check load transfer clearance and torque bolts                   |                  |  |      |  |       |
| S9  | Check all hose guide systems for damage and location             |                  |  |      |  |       |
| S10 | Check twistlocks and twistlock handles                           |                  |  |      |  |       |
| S11 | Check hammer locks and lifting lugs                              |                  |  |      |  |       |
| S12 | Check all crane base lock position on chassis for damage or wear |                  |  |      |  |       |
| S13 | Check center beam slides for foot clearance                      |                  |  |      |  |       |
| S14 | Check center beam slide stops                                    |                  |  |      |  |       |
| S15 | Check center beam slide chains and eye bolts                     |                  |  |      |  |       |
| S16 | Check crane base guide angles for bends and cracks               |                  |  |      |  |       |
| S17 | Check nylon track aluminum is torque to chassis                  |                  |  |      |  |       |
| S18 | Check nylon track is tight / and not damaged                     |                  |  |      |  |       |
| S19 | Check linklocks for damage or wear                               |                  |  |      |  |       |
| S20 | Check chassis for cracks and distortion                          |                  |  |      |  |       |
| S21 | Check king pin and rub plate                                     |                  |  |      |  |       |
| S22 | Grease crane base locks                                          |                  |  |      |  |       |
| S23 | Grease arms                                                      |                  |  |      |  |       |
| S24 | Grease T/B locks                                                 |                  |  |      |  |       |
| S25 | Grease landing legs                                              |                  |  |      |  |       |
|     | <b>SYSTEM TESTS AND ADJUSTMENTS</b>                              |                  |  |      |  |       |
| A1  | Check leg angle system                                           |                  |  |      |  |       |
| A2  | Check crane base locking system                                  |                  |  |      |  |       |
| A3  | Check timing and synchronization                                 |                  |  |      |  |       |
| A4  | Check radio remote settings                                      |                  |  |      |  |       |
| A5  | Check ignition stop for radio remote                             |                  |  |      |  |       |
| A6  | Check safety system functions                                    |                  |  |      |  |       |
| A7  | Check optical sensor                                             |                  |  |      |  |       |
| A8  | Check system pressures                                           |                  |  |      |  |       |
| A9  | Check E stops                                                    |                  |  |      |  |       |
| A10 | Check rack and pinion adjustments                                |                  |  |      |  |       |
| A11 | Check side guide clearance                                       |                  |  |      |  |       |
| A12 | Check load transfer clearance and wear pads                      |                  |  |      |  |       |
| A13 | Check PVG 32 neutral points for coils                            |                  |  |      |  |       |
| A14 | Check Sidelifter night light system                              |                  |  |      |  |       |
| A15 | Check control cabinet gauges and lighting is working correctly   |                  |  |      |  |       |
| A16 | Check all warning beepers                                        |                  |  |      |  |       |
| A17 | Check manual override system                                     |                  |  |      |  |       |
| A18 | Check steer axle system                                          |                  |  |      |  |       |
| A19 | Check lift axle system                                           |                  |  |      |  |       |
| A20 | Check lifting chains                                             |                  |  |      |  |       |
| A21 | Check T/B lock system Air system and slide pads shim if required |                  |  |      |  |       |
| A22 | Sidelifter load test                                             |                  |  |      |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No   | SERVICE ITEM                                                                                                                             | SERVICE INTERVAL |  |      |  | NOTES |
|------|------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|------|--|-------|
|      |                                                                                                                                          | MONTHS           |  |      |  |       |
|      |                                                                                                                                          | HOURS            |  | 3000 |  |       |
|      | <b>ELECTRICAL SYSTEM</b>                                                                                                                 |                  |  |      |  |       |
| EL1  | Check case of remote box                                                                                                                 |                  |  |      |  |       |
| EL2  | Check remote box leads and wire enters                                                                                                   |                  |  |      |  |       |
| EL3  | Check radio remote receiver for damage                                                                                                   |                  |  |      |  |       |
| EL4  | Check cables / plugs and Arial connections for radio remote                                                                              |                  |  |      |  |       |
| EL5  | Check battery connection                                                                                                                 |                  |  |      |  |       |
| EL6  | Check all relays and EHF's are fitting                                                                                                   |                  |  |      |  |       |
| EL7  | Check all terminal screws are tight                                                                                                      |                  |  |      |  |       |
| EL8  | Check all wiring terminations /plugs and connectors are secure and free of corrosion                                                     |                  |  |      |  |       |
| EL9  | Check drain holes in junction boxes are clear of obstruction                                                                             |                  |  |      |  |       |
| EL10 | Check all junction boxes for seals and general condition                                                                                 |                  |  |      |  |       |
| EL11 | Check all cable entrees                                                                                                                  |                  |  |      |  |       |
| EL12 | Check all junction boxes are secure                                                                                                      |                  |  |      |  |       |
| EL13 | Check all cable for damage                                                                                                               |                  |  |      |  |       |
| EL14 | Check conduit for damage                                                                                                                 |                  |  |      |  |       |
| EL15 | Check wiring is adequately secured                                                                                                       |                  |  |      |  |       |
| EL16 | Check fusible link on engine                                                                                                             |                  |  |      |  |       |
| EL17 | Check engine wiring for termination and condition                                                                                        |                  |  |      |  |       |
| EL18 | Check engine earth wires to chassis                                                                                                      |                  |  |      |  |       |
| EL19 | Check for correct operation of trailer lights                                                                                            |                  |  | I    |  |       |
|      | <b>SMARTlift</b>                                                                                                                         |                  |  |      |  |       |
| SL1  | Ensure that all junction box cable glands are tight                                                                                      |                  |  | T    |  |       |
| SL2  | Check all 8 angle sensors are securely fixed                                                                                             |                  |  | I    |  |       |
| SL3  | Check all angle sensor plug/socket assemblies are                                                                                        |                  |  | T    |  |       |
| SL4  | Check Pressure Sensor Plug is tight                                                                                                      |                  |  | T    |  |       |
| SL5  | Check using toggle switch on B box Main Battery and ECU Battery                                                                          |                  |  | I    |  |       |
| SL6  | ECU Battery should not read less 11.5v.                                                                                                  |                  |  | I    |  |       |
| SL7  | Stabiliser fully retracted check the values are correct                                                                                  |                  |  | I    |  |       |
| SL8  | Stabiliser and observe the EXTENSION count up                                                                                            |                  |  | I    |  |       |
| SL9  | OPTICAL sensor should alternate between 1 and 0                                                                                          |                  |  | I    |  |       |
| SL10 | Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. |                  |  | I    |  |       |
| SL11 | With the Stabiliser fully extended check the values                                                                                      |                  |  | I    |  |       |
| SL12 | Put the Stabiliser Foot on the ground and observe the change                                                                             |                  |  | I    |  |       |
| SL13 | Check that the Angle Sensor Values in the closed position                                                                                |                  |  | I    |  |       |
| SL14 | Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.                                                                |                  |  | I    |  |       |
| SL15 | Use the Stabiliser to tilt the trailer up and observe the CAMBER count UP.                                                               |                  |  | I    |  |       |
| SL16 | Move the Top Arm up and observe the Top Arm Angle Sensor count UP / DOWN                                                                 |                  |  | I    |  |       |
| SL17 | Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN                                                                |                  |  | I    |  |       |
| SL18 | Fully extend the Top Arm and observe the PRESSURE sensor value increase                                                                  |                  |  | I    |  |       |
| SL19 | Check Calibration                                                                                                                        |                  |  | I    |  |       |

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

| No    | SERVICE ITEM                                           | MONTHS |  |      |  |       |  |  |  |  |
|-------|--------------------------------------------------------|--------|--|------|--|-------|--|--|--|--|
|       |                                                        |        |  |      |  | NOTES |  |  |  |  |
|       |                                                        | HOURS  |  | 3000 |  |       |  |  |  |  |
|       | SUSPENSION, AXLES, BRAKES AND RUNNING GEAR             |        |  |      |  |       |  |  |  |  |
| RG1   | Visual inspection for security of all connections      |        |  | l    |  |       |  |  |  |  |
| RG2   | Visual inspection. Grease and adjust brakes as         |        |  | u    |  |       |  |  |  |  |
| RG3   | Refer to manufactures guidelines                       |        |  | t    |  |       |  |  |  |  |
|       | ABS SYSTEM CHECKS                                      |        |  |      |  |       |  |  |  |  |
| ABS1  | Check brake chambers                                   |        |  |      |  |       |  |  |  |  |
| ABS2  | Clean / Replace line filters                           |        |  |      |  |       |  |  |  |  |
| ABS3  | Check trailer air couplings                            |        |  |      |  |       |  |  |  |  |
| ABS4  | Check test point are sealing correctly                 |        |  |      |  |       |  |  |  |  |
| ABS5  | Drain air tanks / clean drain plug                     |        |  |      |  |       |  |  |  |  |
| ABS6  | Check air tank mountings                               |        |  |      |  |       |  |  |  |  |
| ABS7  | Clean / Replace relay emergency valve filters in ports |        |  |      |  |       |  |  |  |  |
| ABS8  | Check all ABS wires are secure away from moving parts  |        |  |      |  |       |  |  |  |  |
| ABS9  | Check all nylon air lines for damage                   |        |  |      |  |       |  |  |  |  |
| ABS10 | Check all brake hose for wear and tear                 |        |  |      |  |       |  |  |  |  |
| ABS11 | Check all hose clamps on brake hose                    |        |  |      |  |       |  |  |  |  |
| ABS12 | Check auto slacks for damage and all pins are          |        |  |      |  |       |  |  |  |  |
| ABS13 | Test for air leaks                                     |        |  |      |  |       |  |  |  |  |
| ABS14 | System test                                            |        |  |      |  |       |  |  |  |  |



# STEELBRO

## TIMING RECORD SHEET

DATE:.....  
SERVICE REFERENCE:.....

COMPANY:.....  
CONTACT NAME:.....

SERVICE ENGINEER NAME:  
.....

SERIAL NUMBER:.....

### OPERATE THE CRANES AND RECORD THE FOLLOWING:

#### HIGH SPEED TIMINGS

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | SECS         | SECS        |
| TOP ARM DOWN    | SECS         | SECS        |
| BOTTOM ARM UP   | SECS         | SECS        |
| BOTTOM ARM DOWN | SECS         | SECS        |

#### LOW SPEED TIMINGS

|                 | FRONT MODULE |               | REAR MODULE |               |
|-----------------|--------------|---------------|-------------|---------------|
|                 | BEFORE       | AFTER<br>SECS | BEFORE      | AFTER<br>SECS |
| TOP ARM UP      |              |               |             |               |
| TOP ARM DOWN    |              | SECS          |             | SECS          |
| BOTTOM ARM UP   |              | SECS          |             | SECS          |
| BOTTOM ARM DOWN |              | SECS          |             | SECS          |



# STEELBRO

## PRESSURE RECORD SHEET

DATE:.....  
 SERVICE REFERENCE:.....  
 COMPANY:.....  
 CONTACT NAME:.....  
 SERVICE ENGINEER NAME:  
 .....  
 SERIAL NUMBER:.....

### HYDRAULIC SYSTEM OPERATIONAL PRESSURES

#### HIGH SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |

#### LOW SPEED PRESSURES

|                 | FRONT MODULE | REAR MODULE |
|-----------------|--------------|-------------|
| TOP ARM UP      | PSI          | PSI         |
| TOP ARM DOWN    | PSI          | PSI         |
| BOTTOM ARM UP   | PSI          | PSI         |
| BOTTOM ARM DOWN | PSI          | PSI         |
| EXTENSION LEG   | PSI          | PSI         |
| TILT LEG        | PSI          | PSI         |



**STEELBRO**

**BRAKE LINING  
RECORD SHEET**

DATE:.....

SERVICE REFERENCE:.....

COMPANY:.....

CONTACT NAME:.....

SERVICE ENGINEER NAME:

.....

SERIAL NUMBER:.....

**Brake Drum Comments**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle |      |       |
| 2 <sup>nd</sup> Axle |      |       |
| 3 <sup>rd</sup> Axle |      |       |

**Brake Shoe Wear**

|                      | LEFT | RIGHT |
|----------------------|------|-------|
| 1 <sup>st</sup> Axle | %    | %     |
| 2 <sup>nd</sup> Axle | %    | %     |
| 3 <sup>rd</sup> Axle | %    | %     |

### **Key to Service Schedule.**

|   |                                                                                                                |
|---|----------------------------------------------------------------------------------------------------------------|
| S | Strip / Clean inspect and replace on requirement                                                               |
| G | Grease                                                                                                         |
| I | Visual examination or functional , measurement of system operation.<br>NB correct, clean, replace as required. |
| R | Replace                                                                                                        |
| T | Tighten                                                                                                        |
| C | Clean                                                                                                          |
| E | Take oil sample for testing                                                                                    |
| a | Refer to Kubota diesel engine operators manual                                                                 |
| b | Clean air intake element more often in dusty conditions than in normal condit                                  |
| c | If filter element is damaged replace                                                                           |
| d | Acceptable wear for Sidelifter Pins and Bushes S0005                                                           |
| e | Rack and Pinion adjustment S0001                                                                               |
| f | Wear pad replacement SB 33 S0002 / MK6 S0004                                                                   |
| g | ABS testing                                                                                                    |
| h | Neutral Piont on PVG 32 coil type 157B4112 / 4113 use H0001 or 157B4116                                        |
| i | Do not use Molybdenum Disalphide grease as it reacts with the glacier bearin                                   |
| j | Procedure for changing hydraulic oil H0007                                                                     |
| k | Danfoss PVG Main Relief Valve Adjustment H0005                                                                 |
| m | Timing and Synchronization E0001                                                                               |
| n | HBC Radio Control Adjustment procedure E0003                                                                   |
| o | Check Hydraulic drawing for pressure settings                                                                  |
| p | Load Test                                                                                                      |
| q | Annual Test                                                                                                    |
| r | Running Gear                                                                                                   |
| s | Check Output voltage                                                                                           |
| t | Refer to manufactures recommendations in operators manual                                                      |
| u | Visual inspection. Grease and adjust brakes as required                                                        |
| v |                                                                                                                |
| w |                                                                                                                |