



**STEELBRO**

**SERVICE PROGRAM**

**SERVICE REFERENCE  
50 HR**

VERSION: G0001\_50HR 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 OF THE CRANES AND OPERATING SYSTEM.  
THIS 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			NOTES
		MONTHS			
		HOURS			
			50		

	<b>ENGINE</b>				
E2	Check / Change engine oil		R		
E3	Cleaning / Replace of air cleaner element		C		
E4	Cleaning / Replace fuel filter				
E5	Check battery electrolyte level		I		
E6					
E7	Replace oil filter cartridge		R		
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		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				
H4	Clean / Change hydraulic breather cap filter				
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		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		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		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			
		HOURS	50		
	<b>STRUCTURE</b>				
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		
	<b>SYSTEM TESTS AND ADJUSTMENTS</b>				
A1	Check leg angle system		I		
A2	Check crane base locking system		I		
A3	Check timing and synchronization		lim		
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		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	MONTHS		NOTES
			HOURS	50	
	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 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				
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		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				
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		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			
		HOURS	50		
	<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		T		
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 SECS	BEFORE	AFTER 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 RECORD SHEET</h2>	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	3		
		HOURS	100		

	<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			I		
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)		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	3		
		HOURS	100		
	<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		
A22	Sidelifter load test				

PROGRAM START DATE:.....

**STEELBRO SERVICE PROGRAM**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

No	SERVICE ITEM	SERVICE INTERVAL	MONTHS		3	NOTES				
			HOURS		100					
	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**

SERIAL No:.....

WHICH EVER COMES FIRST MONTHS OR HOURS

No	SERVICE ITEM	SERVICE INTERVAL	MONTHS	3		NOTES				
			HOURS	100						
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		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									



# 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 SECS	BEFORE	AFTER 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 RECORD SHEET</h2>	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  
200 HR**

VERSION: G0001\_200HR 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 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	6		
		HOURS	200		

	<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					
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		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		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:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

No	SERVICE ITEM	SERVICE INTERVAL			NOTES
		MONTHS	6		
		HOURS	200		
	<b>STRUCTURE</b>				
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		
	<b>SYSTEM TESTS AND ADJUSTMENTS</b>				
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		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	6					
		HOURS	200					
	<b>ELECTRICAL SYSTEM</b>							
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					
	<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	6						
		HOURS	200						
	<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								
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		Iq						



# 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 SECS	BEFORE	AFTER 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  
300 HR**

VERSION: G0001\_300HR 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 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	9		
		HOURS	300		

	<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			I		
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		I		
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:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

No	SERVICE ITEM	SERVICE INTERVAL			NOTES
		MONTHS	9		
		HOURS	300		
	<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	9		
		HOURS	300		
	<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	SERVICE INTERVAL			NOTES
		MONTHS	9		
		HOURS	300		
	<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		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				



# 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 SECS	BEFORE	AFTER 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 RECORD SHEET</h2> </div>	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  
400 HR**

VERSION: G0001\_400HR 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 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	12		
		HOURS	400		

	<b>ENGINE</b>				
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		C		
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		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)		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	12	NOTES
		HOURS	400			
	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	SERVICE INTERVAL			NOTES
		MONTHS	12		
		HOURS	400		
	<b>ELECTRICAL SYSTEM</b>				
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		
	<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	12		
		HOURS	400		
	<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				
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 SECS	BEFORE	AFTER 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 RECORD SHEET</h2> </div>	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:

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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  
500 HR**

VERSION: G0001\_500HR 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 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	15		
		HOURS	500		

	<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			I		
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		C		
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				
	<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:.....

**WHICH EVER COMES FIRST MONTHS OR HOURS**

No	SERVICE ITEM	SERVICE INTERVAL			NOTES
		MONTHS	15		
		HOURS	500		
	<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		
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	15		
		HOURS	500		
	<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	SERVICE INTERVAL			NOTES
		MONTHS	15		
		HOURS	500		
	<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		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				



# 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 SECS	BEFORE	AFTER 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 RECORD SHEET</h2> </div>	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  
600 HR**

VERSION: G0001\_600HR 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 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:

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WHICH EVER COMES FIRST MONTHS OR HOURS

No	SERVICE ITEM	SERVICE INTERVAL			NOTES
		MONTHS	18		
		HOURS	600		

	<b>ENGINE</b>				
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		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		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	MONTHS	18	NOTES
			HOURS	600	
	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:

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WHICH EVER COMES FIRST MONTHS OR HOURS

No	SERVICE ITEM	SERVICE INTERVAL		MONTHS		NOTES
		HOURS	600	18		
	<b>ELECTRICAL SYSTEM</b>					
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			
	<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	18		
		HOURS	600		
	<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				
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 SECS	BEFORE	AFTER 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 RECORD SHEET</b></p>	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  
700 HR**

VERSION: G0001\_700HR 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 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	21		
		HOURS	700		

	<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			I		
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)		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	21		
		HOURS	700		
	<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		
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	21		
		HOURS	700		
	<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	SERVICE INTERVAL			NOTES
		MONTHS	21		
		HOURS	700		
	<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		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				

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

S	Strip / Clean inspect and replace on requirement
G	Grease
I	Visual examination or functional , measurement of system operation. 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 bearir
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	



# 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 SECS	BEFORE	AFTER 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 RECORD SHEET</h2> </div>	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. 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 bearir
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	



**STEELBRO**

**SERVICE PROGRAM**

**SERVICE REFERENCE  
1000 HR**

VERSION: G0001\_1000HR 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	30		
		HOURS	1000		

ENGINE					
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		C		
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		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		MONTHS	30	NOTES
		HOURS	1000			
	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			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			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		
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	30		
		HOURS	1000		
	<b>ELECTRICAL SYSTEM</b>				
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		
	<b>SMART/lift</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		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	30						
		HOURS	1000						
	<b>SUSPENSION, AXLES, BRAKES AND RUNNING GEAR</b>								
RG1	Visual inspection for security of all connections		I						
RG2	Visual inspection. Grease and adjust brakes		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								
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						



<h1 style="margin: 0;">STEELBRO</h1> <h2 style="margin: 10px 0 0 0;">TIMING RECORD SHEET</h2>	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 SECS	BEFORE	AFTER 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 RECORD SHEET</b></p>	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	%	%