

SERVICE PROGRAM

SERVICE REFERENCE 50 HR

VERSION: G0001_50HR V3

DATE:
FLEET NUMBER: PM REGO NUMBER: VIN NUMBER:
SERIAL NUMBER:SIDELIFTER MODEL:HOUR METER READING:HUBO METER READING:

<u>NB</u>	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	CREQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:
For an	y comments NOTES reference check number first then comment:
SE	RVICE CENTRE:
DA	TE:
TE	CHNICIAN SIGNATURE:
CH	STOMED SIGNATURE:

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS			
	SERVICE INTERVAL	-			NOTES
No	SERVICE ITEM				
		HOURS	50		

	ENGINE			
E2	Check / Change engine oil		R	
E3	Cleaning / Replace of air cleaner element		С	
E4	Cleaning / Replace fuel filter			
E5	Check battery electrolyte level		ı	
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	+	ı	
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		_	
E17	Check / Replace fuel pipes and clamp bands	+	'	
- ' '	Oriect / treplace luci pipes allu ciallip ballus		1	
E10	Chook ashauat and manifold halts for accurity	+	т	
E18	Check exhaust and manifold bolts for security Check engine throttle / stop mounting and operation	+	Т	
E19			Т	
E20	Check engine speed is set correctly			
E21	Check stop system is functions correctly		ı	
E22	Check all engine bolts		Т	
	HYDRAULIC SYSTEM			
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		Т	
H6	Check all tube clamps are secure		Ť	
H7	Check / Record system pressures (Adjust if		-	
	required)		lk	
H8	Check cylinder valves for leaks or replace O rings		ı	
110	Ohaali / Danlasa ayanani ibash ya kata a			
H9	Check / Replace overcenter check valve cap screws		Т	
1146	Observe Descriptions from 211		-	
H10	Check Danfoss valves for oil leaks		ı	
H11				
H12	Check overcenter cartridge lock nuts are tight		Τ	
H13	Record high speed times of top and bottom arms			
H14	Check hydraulic motors for leaks		١	
H15	Check for any damaged hydraulic tubes (Replace		ı	
	as required)			
H16	Check all hoses for wear or damage		ı	
H17	Check cylinder case or rod for any damage or leaks		1	
H18	Check PTO mounting bolts and prop shaft		Т	
H19	Check PTO mounting boils and prop shall Check PTO mountings and couplings		/ C	
	Check pump drive coupling (Power pack)		- C	
H20	Check pump drive coupling (Power pack)		ı	

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WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST		1100	ING	
	OFFINIOF INTERVAL	MONTHS		<u> </u>	NOTES
	SERVICE INTERVAL				NOTES
No	SERVICE ITEM				
		HOURS	50		
	STRUCTURE				
S1	Check G pins for wear and movement		ld		
S2	Check all bushes for wear				
S3	Check all pin keepers		Т		
S4	Check all crane base bash plates for damage				
S5	Check / Strengthen off side bash plate				
S6	Check all arm / legs and crane bases for cracks				
S7	Clean chassis top flange surface		С		
S8	Check load transfer clearance and torque bolts		Т		
S9	Check all hose guide systems for damage and				
	location		'		
S10	Check twistlocks and twistlock handles				
S11	Check hammer locks and lifting lugs				
S12	Check all crane base lock position on chassis for		1		
	damage or wear		'		
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				
S16	Check crane base guide angles for bends and				
	cracks				
S17	Check nylon track aluminum is torque to chassis		Т		
S18	Check nylon track is tight / and not damaged		Т		
S19	Check linklocks for damage or wear		1		
S20	Check chassis for cracks and distortion		l i		
S21	Check king pin and rub plate		Ť		
S22	Grease crane base locks		G		
S23	Grease arms		Gi		
S24	Grease T/B locks		G		
S25	Grease landing legs		Ğ		
	SYSTEM TESTS AND ADJUSTMENTS				
A1	Check leg angle system				
A2	Check crane base locking system		ΙĖ		
A3	Check timing and synchronization		lim		
A4	Check radio remote settings				
A5	Check ignition stop for radio remote		1		
A6	Check safety system functions		ΙĖ		
A7	Check optical sensor		ti		
A8	Check system pressures		lo		
A9	Check E stops		ı	 	
A10	Check rack and pinion adjustments		Te		
A11	Check side guide clearance		1		
A12	Check load transfer clearance and wear pads		H		
A13	Check PVG 32 neutral points for coils		Ih		
A14	Check Sidelifter night light system	1	 		
A14 A15	Check Sideliner riight light system Check control cabinet gauges and lighting is	1	 		
A15	working correctly			ĺ	
A16	Check all warning beepers	-	-	-	
A16	Check manual override system	-		-	
			 		
A18	Check steer axle system	+		<u> </u>	
A19	Check lift axle system				
A20	Check lifting chains		 		
A21	Check T/B lock system Air system and slide pads		1		
A 2 2	shim if required Sidelifter load test		-		
A22	Sideliner load test			<u> </u>	L

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST IN	MONTHS			
	SERVICE INTERVAL				NOTES
No	SERVICE ITEM				NOTES
NO	OLIVIOL II LIVI	HOURS	50		
	ELECTRICAL SYSTEM	HOOKS	30		
EL1	Check case of remote box				
EL2	Check remote box leads and wire enters		<u> </u>		
EL3	Check radio remote receiver for damage		<u> </u>		
EL4	Check cables / plugs and Arial connections for radio		<u> </u>		
CL4	remote		1		
TI E	Check battery connection		Т		
EL5 EL6	Check all relays and EHFs are fitting		<u> </u>		
EL7	Check all terminal screws are tight		÷		
EL7	Check all wiring terminations /plugs and connectors		I		
ELO					
EL O	are secure and free of corrosion				
EL9	Check drain holes in junction boxes are clear of				
FI 40	obstruction				
EL10	Check all junction boxes for seals and general		ı		
EL 44	condition		<u> </u>		
EL11	Check all cable entrees		!		
EL12	Check all junction boxes are secure		!		
EL13	Check all cable for damage				
EL14	Check conduit for damage		<u> </u>		
EL15	Check wiring is adequately secured		ļ I		
EL16	Check fusible link on engine				
EL17	Check engine wiring for termination and condition		l ı		
EL18	Check engine earth wires to chassis				
EL19	Check for correct operation of trailer lights		ı		
	SMART/ift				
SL1	Ensure that all junction box cable glands are tight		Т		
			L'		
SL2	Check all 8 angle sensors are securely fixed		I		
SL3	Check all angle sensor plug/socket assemblies are		Т		
SL4	Check Pressure Sensor Plug is tight		Т		
SL5	Check using toggle switch on B box Main Battery				
	and ECU Battery		l		
SL6	ECU Battery should not read less 11.5v.				
SL7	Stabiliser fully retracted check the values are				
-	correct				
SL8	Stabiliser and observe the EXTENSION count up		١.		
			l		
SL9	OPTICAL sensor should alternate between 1 and 0		ī		
SL10	Castellated plastic strip passes under the sensor.		-		
SLIU	Note: EXTENSION = 0mm until the first tooth of the		L		
	castellated plastic strip is seen.		'		
SL11	With the Stabiliser fully extended check the values				
SLII	With the Stabiliser fully extended theth the values		ı		
SL12	Put the Stabiliser Foot on the ground and observe				
SLIZ	the change		I		
SL13	Check that the Angle Sensor Values in the closed				
SL 13	position		- 1		
SL14					
3L14	Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.		- 1		
SL15	Use the Stabiliser to tilt the trailer up and observe		-		
SL 15			- 1		
CI 16	the CAMBER count UP.		-		
SL16	Move the Top Arm up and observe the Top Arm		1		
01.47	Angle Sensor count UP / DOWN		-		
SL17	Move the Bottom Arm up and observe the Top Arm		1		
01.40	Angle Sensor count UP/DOWN			<u> </u>	
SL18	Fully extend the Top Arm and observe the		lт		
	PRESSURE sensor value increase				
SL19	Check Calibration		I	L	

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WINCITE VER COMESTINST	MONTHS			
No	SERVICE INTERVAL SERVICE ITEM				NOTES
		HOURS	50		
	SUSPENSION, AXLES, BRAKES AND RUNNING	GEAR			
RG1	Visual inspection for security of all connections				
RG2	Visual inspection. Grease and adjust brakes as		u		
RG3	Refer to manufactures guidelines		t		
	ABS SYSTEM CHECKS				
ABS1	Check brake chambers				
ABS2	Clean / Replace line filters		Сс		
ABS3	Check trailer air couplings		\subseteq		
ABS4	Check test point are sealing correctly				
ABS5	Drain air tanks / clean drain plug		С		
ABS6	Check air tank mountings		Т		
ABS7	Clean / Replace relay emergency valve filters in ports				
ABS8	Check all ABS wires are secure away from moving parts		-		
ABS9	Check all nylon air lines for damage				
ABS10	Check all brake hose for wear and tear				
ABS11	Check all hose clamps on brake hose				
ABS12	Check auto slacks for damage and all pins are				
ABS13	Test for air leaks		ı		
ABS14	System test				

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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

	FRON ⁻	T MODULE	REAR MODULE		
	BEFORE	AFTER	BEFORE	AFTER	
TOP ARM UP		SECS		SECS	
TOP ARM DOWN		SECS		SECS	
BOTTOM ARM UP		SECS		SECS	
BOTTOM ARM DOWN		SECS		SECS	



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1 st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%



SERVICE PROGRAM

SERVICE REFERENCE 100 HR

VERSION: G0001_100HR V3

NB THIS TRAILER CHECK SHEET IS FOR SERVICING AND CHECKING OF THE CRANES AND OPERATING SYSTEM.

DATE NEXT	ELAST SERVICE: SERVICE DUE:PANY:	
PM R	T NUMBER:EGO NUMBER:UMBER:	
SIDEI	AL NUMBER: LIFTER MODEL: R METER READING: D METER READING:	

THIS TRAILER CHECK SHEET IS NOT A DEPARTMENT OF TRANSPORT SAFETY CHECK SHEET IT A STEELBRO SERVICE PROGRAM DESIGNED TO MEET THE DEMANDS OF THE STEELBRO SLT.
WORK REQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:
For any comments NOTES reference check number first then comment:
SERVICE CENTRE:
DATE:
TECHNICIAN SIGNATURE:
CUSTOMED SIGNATURE:

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	3	
	SERVICE INTERVA	L		NOTES
No	SERVICE ITEM			
		HOURS	100	

	ENGINE			
E2	Check / Change engine oil		l	
E3	Cleaning / Replace of air cleaner element)	
E4	Cleaning / Replace fuel filter	()	
E5	Check battery electrolyte level		l	
E6			ı	
E7	Replace oil filter cartridge			
E8	Check / Replace intake air line			
E9	Clean sediment out of fuel tank			
E10	Check / Replace fuel line			
E11	Check / Change radiator coolant		ı	
E12	Check / Replace fan belt		ı	
E13	Check valve clearance			
E14	Check fuel injection nozzle injection pressure			
E15	Check injection pump			
E16	Check battery electrolyte level test		ı	
E17	Check / Replace fuel pipes and clamp bands		.	
	р р г г г г г г г г г г г г г г г г г г		۱ ۱	
E18	Check exhaust and manifold bolts for security			
0	officer extrader and marinera periorer security		Γ	
E19	Check engine throttle / stop mounting and		_	+ +
L 13	operation	-	Γ	
E20	Check engine speed is set correctly		-	
E21	Check stop system is functions correctly			
E22	Check all engine bolts		<u>'</u>	++
	HYDRAULIC SYSTEM			
LI4	Change high pressure filter			
H1 H2	Change hydraulic return filter		-	+ +
H3	Take oil sample and change when required		-	+ +
пз Н4	Clean / Change hydraulic breather cap filter)	-
H5			Γ	
по Н6	Check hydraulic hose and tube fittings		-	+ +
	Check all tube clamps are secure		<u> </u>	+ +
H7	Check / Record system pressures (Adjust if		k	
110	required)		_	+ +
H8	Check cylinder valves for leaks or replace O		ı	
110	rings			
H9	Check / Replace overcenter check valve cap			
1140	screws Check Danfoss valves for oil leaks		.	
H10	Check Dantoss valves for oil leaks		!	<u> </u>
H11	Object and a control of the land and a control of			
H12	Check overcenter cartridge lock nuts are tight	-	Г	
1146	December of the second flow		_	++
H13	Record high speed times of top and bottom			
114.	arms		.	
H14	Check hydraulic motors for leaks		ı	
H15	Check for any damaged hydraulic tubes		ıl	
	(Replace as required)		_	
H16	Check all hoses for wear or damage		ı	
H17	Check cylinder case or rod for any damage or		ıl	
	leaks			
H18	Check PTO mounting bolts and prop shaft		ı	
H19	Check PTO mountings and couplings	1/	С	
H20	Check pump drive coupling (Power pack)			

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRE	MONTHS	3		.0
	SERVICE INTERVAL				NOTES
No	SERVICE ITEM				
		HOURS	100		
		!			
	STRUCTURE				
S1	Check G pins for wear and movement				
S2	Check all bushes for wear				
S3	Check all pin keepers		I		
S4	Check all crane base bash plates for damage		1		
S5	Check / Strengthen off side bash plate		l		
S6	Check all arm / legs and crane bases for cracks		1		
			<u> </u>		
S7	Clean chassis top flange surface		С		
S8	Check load transfer clearance and torque bolts		Т		
00	Oharla II hara a shi hara ta sa ƙara ta sa				
S9	Check all hose guide systems for damage and		- 1		
S10	location Check twistlocks and twistlock handles		-		
S10	Check hammer locks and lifting lugs		1	++	
S12	Check all crane base lock position on chassis		-	++	
012	for damage or wear		I		
S13	Check center beam slides for foot clearance		<u> </u>		
S14	Check center beam slide stops		i	++	
S15	Check center beam slide chains and eye bolts		<u> </u>		
0.0	onediction beam ende chame and eye bene		I		
S16	Check crane base guide angles for bends and				
	cracks		I		
S17	Check nylon track aluminum is torque to chassis		-		
			Т		
S18	Check nylon track is tight / and not damaged		Т		
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		<u> </u>		
A2	Check crane base locking system		I		
A3	Check timing and synchronization				
A4	Check radio remote settings				
A5	Check ignition stop for radio remote		+		
A6 A7	Check safety system functions Check optical sensor			\vdash	
A8	Check system pressures		lo	\vdash	
A8 A9	Check E stops		IU	++	
A9 A10	Check E stops Check rack and pinion adjustments		le	++	
A11	Check side guide clearance		I	++	
A12	Check load transfer clearance and wear pads		+	++	
, \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	onest load transier dicarance and wear paus				
A13	Check PVG 32 neutral points for coils			++	
A14	Check Sidelifter night light system		1	+	
A15	Check control cabinet gauges and lighting is		Ė		
1	working correctly				
A16	Check all warning beepers		ı		
A17	Check manual override system		ı		
A18	Check steer axle system		ı		
A19	Check lift axle system		I		
A20	Check lifting chains		I		
A21	Check T/B lock system Air system and slide		1		
	pads shim if required		_'		
A22	Sidelifter load test				

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	MONTHS 3					
	SERVICE INTERVAL	morring.		NOTES		
No	SERVICE ITEM			110120		
		HOURS	100			
	ELECTRICAL SYSTEM					
	Check case of remote box					
	Check remote box leads and wire enters		t i t			
	Check radio remote receiver for damage		t i l			
	Check cables / plugs and Arial connections for		1 1			
	radio remote		1			
	Check battery connection					
	Check all relays and EHFs are fitting		t i t			
	Check all terminal screws are tight		+ ' +			
	Check all wiring terminations /plugs and		1			
	connectors are secure and free of corrosion					
	Check drain holes in junction boxes are clear of		1			
	obstruction					
			+			
	Check all junction boxes for seals and general		1			
	condition		H . H			
	Check all cable entrees					
	Check all junction boxes are secure		 			
	Check all cable for damage					
	Check conduit for damage		111			
	Check wiring is adequately secured					
	Check fusible link on engine					
	Check engine wiring for termination and					
	condition					
	Check engine earth wires to chassis		Т			
	Check for correct operation of trailer lights		1			
	SMARTIift					
SL1	Ensure that all junction box cable glands are		Т			
	tight		'			
SL2	Check all 8 angle sensors are securely fixed		1			
	Check all angle sensor plug/socket assemblies		Т			
	Check Pressure Sensor Plug is tight		T			
SL5	Check using toggle switch on B box Main		+ ' +			
			1			
	Battery and ECU Battery		 			
	ECU Battery should not read less 11.5v.		- '			
	Stabiliser fully retracted check the values are		1			
	correct		1			
	Stabiliser and observe the EXTENSION count					
	up		$\downarrow \downarrow \downarrow$			
	OPTICAL sensor should alternate between 1		I			
	Castellated plastic strip passes under the					
	sensor. Note: EXTENSION = 0mm until the first					
	tooth of the castellated plastic strip is seen.		'			
SL11	With the Stabiliser fully extended check the					
	values					
SL12	Put the Stabiliser Foot on the ground and		1.1			
	observe the change					
SL13	Check that the Angle Sensor Values in the					
	closed position					
	Deploy the Stabiliser and observe the Stabiliser		1			
	Angle Sensor count DOWN.					
SL15	Use the Stabiliser to tilt the trailer up and		+			
	observe the CAMBER count UP.		1			
	Move the Top Arm up and observe the Top Arm		+			
			1			
	Angle Sensor count UP / DOWN					
SL17	Move the Bottom Arm up and observe the Top		1			
CLAO	Arm Angle Sensor count UP/DOWN					
	Fully extend the Top Arm and observe the					
1	PRESSURE sensor value increase	Ì				
	Check Calibration					

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	3	
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM			
		HOURS	100	
	SUSPENSION, AXLES, BRAKES AND RUNNIN	NG GEAR		
RG1	Visual inspection for security of all connections		1	
RG2	Visual inspection. Grease and adjust brakes as		u	
RG3	Refer to manufactures guidelines		t	
	ABS SYSTEM CHECKS			
ABS1	Check brake chambers			
ABS2	Clean / Replace line filters		Сс	
ABS3	Check trailer air couplings		IC	
ABS4	Check test point are sealing correctly			
ABS5	Drain air tanks / clean drain plug		С	
ABS6	Check air tank mountings			
ABS7	Clean / Replace relay emergency valve filters in		s	
	ports		3	
ABS8	Check all ABS wires are secure away from		١.	
	moving parts			
ABS9	Check all nylon air lines for damage		- 1	
ABS10	Check all brake hose for wear and tear		- 1	
ABS11	Check all hose clamps on brake hose			
ABS12	Check auto slacks for damage and all pins are		Ī	
ABS13	Test for air leaks		-	
ABS14	System test			

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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

	FRON	T MODULE	REAR N	MODULE	
	BEFORE	AFTER	BEFORE	AFTER	
TOP ARM UP		SECS		SECS	
TOP ARM DOWN		SECS		SECS	
BOTTOM ARM UP		SECS		SECS	
BOTTOM ARM DOWN		SECS		SECS	



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%



SERVICE PROGRAM

SERVICE REFERENCE 200 HR

VERSION: G0001_200HR V3

 ${\underline{\sf NB}}$ This service check sheet is for servicing and checking the cranes and operating system.

N	DATE:DATE LAST SERVICE:
F	LEET NUMBER:
S	SERIAL NUMBER: SIDELIFTER MODEL: HOUR METER READING: HUBO METER READING:

	ELTIS NOT A DEPARTMENT OF TRANSPORT SAFETY CHECK SHEET; IT IS A STEELBRO SERVICE GNED TO MEET THE DEMANDS OF THE STEELBRO SIDELIFTER.
- Work required	AND APPROVED OUTSIDE STANDARD SERVICE:
For any comments	NOTES reference check number first then comment:
SERVICE CENTRE	
OZKVIOZ OZKVIK	
DATE:	
TECHNICIAN SIGN	IATURE:
I LOI INIOIAN SIOI	INTONE
CUSTOMER SIGN	ATURE:

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	6			
	SERVICE INTERVA	_			NOTES	
No	SERVICE ITEM					
		HOURS	200			

	ENGINE			
E2	Check / Change engine oil		R	
E3	Cleaning / Replace of air cleaner element		С	
E4	Cleaning / Replace fuel filter		С	
E5	Check battery electrolyte level		Ι	
E6				
E7	Replace oil filter cartridge		R	
E8	Check / Replace intake air line		Ι	
E9	Clean sediment out of fuel tank			
E10	Check / Replace fuel line		Π	
E11	Check / Change radiator coolant		П	
E12	Check / Replace fan belt		ī	
E13	Check valve clearance			
E14	Check fuel injection nozzle injection pressure			
E15	Check injection pump			
E16	Check battery electrolyte level test		Ι	
E17	Check / Replace fuel pipes and clamp bands		. 1	
			1	
E18	Check exhaust and manifold bolts for security		Т	
E19	Check engine throttle / stop mounting and operation			
	check engine unclies / clop mounting and operation		Τ	
E20	Check engine speed is set correctly			
E21	Check stop system is functions correctly		1	
E22	Check all engine bolts		Т	
	HYDRAULIC SYSTEM			
H1	Change high pressure filter		R	
H2	Change hydraulic return filter		R	
H3	Take oil sample and change when required		Е	
H4	Clean / Change hydraulic breather cap filter		С	
H5	Check hydraulic hose and tube fittings		Τ	
H6	Check all tube clamps are secure		1	
H7	Check / Record system pressures (Adjust if required)		lk	
H8	Check cylinder valves for leaks or replace O rings		l	
H9	Check / Replace overcenter check valve cap screws		Т	
H10	Check Danfoss valves for oil leaks		ī	
H11				
H12	Check overcenter cartridge lock nuts are tight		ı	
H13	Record high speed times of top and bottom arms		h	
			111	
H14	Check hydraulic motors for leaks		l	
H15	Check for any damaged hydraulic tubes (Replace as required)		I	
H16	Check all hoses for wear or damage			
H17	Check cylinder case or rod for any damage or leaks		I	
H18	Check PTO mounting bolts and prop shaft		Т	
H19	Check PTO mountings and couplings	1.	/ C	
H20	Check pump drive coupling (Power pack)			

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	6	
	OEDVIOE INTERVAL			NOTES
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM			
		HOURS	200	
	STRUCTURE			
	Check G pins for wear and movement		ld	
	Check all bushes for wear		I	
S3	Check all pin keepers		Т	
	Check all crane base bash plates for damage		I	
	Check / Strengthen off side bash plate			
S6	Check all arm / legs and crane bases for cracks		ı	
S7	Clean chassis top flange surface		С	
	Check load transfer clearance and torque bolts		Т	
	Check all hose guide systems for damage and			
	location		'	
	Check twistlocks and twistlock handles			
S11	Check hammer locks and lifting lugs			
	Check all crane base lock position on chassis for			
	damage or wear		<u> </u>	
	Check center beam slides for foot clearance		Ī	
	Check center beam slide stops			
	Check center beam slide chains and eye bolts		Ī	
S16	Check crane base guide angles for bends and			
	cracks			
S17	Check nylon track aluminum is torque to chassis		Т	
S18	Check nylon track is tight / and not damaged		Т	
	Check linklocks for damage or wear			
	Check chassis for cracks and distortion			
S21	Check king pin and rub plate			
	Grease crane base locks		G	
	Grease arms		Gi	
	Grease T/B locks		G	
	Grease landing legs		G	
	SYSTEM TESTS AND ADJUSTMENTS			
A1	Check leg angle system			
A2	Check crane base locking system			
	Check timing and synchronization		lm	
A4	Check radio remote settings		In	
	Check ignition stop for radio remote			
	Check safety system functions			
A7	Check optical sensor			
	Check system pressures		lo	
	Check E stops			
	Check rack and pinion adjustments		Te	
	Check side guide clearance			
	Check load transfer clearance and wear pads			
	Check PVG 32 neutral points for coils			
	Check Sidelifter night light system			
	Check control cabinet gauges and lighting is		ı	
	working correctly		⊥ '	
	Check all warning beepers			
	Check manual override system		Ī	
	Check steer axle system		Ī	
	Check lift axle system		Ī	
	Check lifting chains		Ī	
	Check T/B lock system Air system and slide pads		ı	
	shim if required		<u> </u>	
A22	Sidelifter load test			

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST IN	MONTHS	6	,,, <u>,,</u>	
	SERVICE INTERVAL				NOTES
No	SERVICE ITEM				NOTES
NO	SERVICE II LIVI	HOURS	200		
	ELECTRICAL SYSTEM	HOUKS	200		
EL1	Check case of remote box				
EL2	Check remote box leads and wire enters		Ť		
EL3	Check radio remote receiver for damage		1		
EL4	Check cables / plugs and Arial connections for radio		-		
CL4	remote		1		
EL5	Check battery connection		Т		
EL6	Check all relays and EHFs are fitting		+		
EL7	Check all terminal screws are tight		Ť		
EL8	Check all wiring terminations /plugs and connectors		<u> </u>		
CLO			1		
EL9	are secure and free of corrosion Check drain holes in junction boxes are clear of				
EL9			С		
EL 40	obstruction				
EL10	Check all junction boxes for seals and general		1		
EL 44	condition Check all cable entrees				
EL11					
EL12	Check all junction boxes are secure		<u> </u>		
EL13	Check all cable for damage		<u> </u>		
EL14	Check conduit for damage		<u> </u>		
EL15	Check wiring is adequately secured		l +		
EL16	Check fusible link on engine		Т		
EL17	Check engine wiring for termination and condition		1		
EL18	Check engine earth wires to chassis				
EL19	Check for correct operation of trailer lights		ı		
	SMART/ift				
SL1	Ensure that all junction box cable glands are tight		-		
	,		Т		
SL2	Check all 8 angle sensors are securely fixed				
SL3	Check all angle sensor plug/socket assemblies are		Т		
SL4	Check Pressure Sensor Plug is tight		T		
SL5	Check using toggle switch on B box Main Battery		<u>'</u>		
	and ECU Battery		I		
SL6	ECU Battery should not read less 11.5v.				
SL7	Stabiliser fully retracted check the values are				
	correct		'		
SL8	Stabiliser and observe the EXTENSION count up		ı		
SL9	OPTICAL sensor should alternate between 1 and 0				
SL10	Castellated plastic strip passes under the sensor.		<u> </u>		
SLIU	Note: EXTENSION = 0mm until the first tooth of the				
	castellated plastic strip is seen.		'		
SL11	With the Stabiliser fully extended check the values				
SLII	With the Stabiliser fully extended check the values		1		
SL12	Put the Stabiliser Foot on the ground and observe				
SLIZ	the change		- 1		
SL13	Check that the Angle Sensor Values in the closed				
SLIS	position		I		
SL14	Deploy the Stabiliser and observe the Stabiliser				
SL 14			1		
SL15	Angle Sensor count DOWN. Use the Stabiliser to tilt the trailer up and observe		-		
SLIS	the CAMBER count UP.		I		
SL16	Move the Top Arm up and observe the Top Arm				
JOE 10	Angle Sensor count UP / DOWN		1		
SL17	Move the Bottom Arm up and observe the Top Arm			-	
OL11	Angle Sensor count UP/DOWN		I		
SL18			-		
SLID	Fully extend the Top Arm and observe the		I		
SL19	PRESSURE sensor value increase Check Calibration				
SLIB	OHECK CANDIANOH		<u> </u>	<u> </u>	

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	6		
	SERVICE INTERVAL NOTES				
No	SERVICE ITEM				
		HOURS	200		
	SUSPENSION, AXLES, BRAKES AND RUNNING	GEAR			
RG1	Visual inspection for security of all connections		ı		
RG2	Visual inspection. Grease and adjust brakes as		u		
RG3	Refer to manufactures guidelines		t		
	ABS SYSTEM CHECKS				
ABS1	Check brake chambers				
ABS2	Clean / Replace line filters		Сс		
ABS3	Check trailer air couplings		IC		
ABS4	Check test point are sealing correctly		S		
ABS5	Drain air tanks / clean drain plug		С		
ABS6	Check air tank mountings		Τ		
ABS7	Clean / Replace relay emergency valve filters in				
	ports				
ABS8	Check all ABS wires are secure away from moving		١,		
	parts		'		
ABS9	Check all nylon air lines for damage				
ABS10	Check all brake hose for wear and tear				
ABS11	Check all hose clamps on brake hose		1		
ABS12	Check auto slacks for damage and all pins are		I		
ABS13	Test for air leaks		I		
ABS14	System test		Iq		

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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

	FRON	T MODULE	REAR MODULE	
	BEFORE	AFTER	BEFORE	AFTER
TOP ARM UP		SECS		SECS
TOP ARM DOWN		SECS		SECS
BOTTOM ARM UP		SECS		SECS
BOTTOM ARM DOWN		SECS		SECS



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%



SERVICE PROGRAM

SERVICE REFERENCE 300 HR

VERSION: G0001_300HR V3

 ${\underline{\sf NB}}$ This service check sheet is for servicing and checking the cranes and operating system.

DATE:
FLEET NUMBER: PM REGO NUMBER: VIN NUMBER:
SERIAL NUMBER: SIDELIFTER MODEL: HOUR METER READING: HUBO METER READING:

	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:					
For any comments	NOTES reference check number first then comment:					
SERVICE CENTRE						
OZKVIOZ OZKVIK						
DATE:						
TECHNICIAN SIGN	IATURE:					
I LOI INIOIAN SIOI	INTONE					
CUSTOMER SIGN	ATURE:					

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

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

	ENGINE			
E2	Check / Change engine oil			
E3	Cleaning / Replace of air cleaner element	(_	
E4	Cleaning / Replace fuel filter	()	
E5	Check battery electrolyte level			
E6				
E7	Replace oil filter cartridge			
E8	Check / Replace intake air line			
E9	Clean sediment out of fuel tank			
E10	Check / Replace fuel line			
E11	Check / Change radiator coolant			
E12	Check / Replace fan belt			
E13	Check valve clearance			
E14	Check fuel injection nozzle injection pressure			
E15	Check injection pump			
E16	Check battery electrolyte level test			
E17	Check / Replace fuel pipes and clamp bands		n	
			l	
E18	Check exhaust and manifold bolts for security	-	Γ	
E19	Check engine throttle / stop mounting and operation	-	-	
E20	Check engine speed is set correctly			
E21	Check stop system is functions correctly			
E22	Check all engine bolts			
	HYDRAULIC SYSTEM			
H1	Change high pressure filter			
H2	Change hydraulic return filter			
H3	Take oil sample and change when required			
H4	Clean / Change hydraulic breather cap filter	()	
H5	Check hydraulic hose and tube fittings	-	Γ	
H6	Check all tube clamps are secure			
H7	Check / Record system pressures (Adjust if			
	required)	1	K	
H8	Check cylinder valves for leaks or replace O rings		,	
H9	Check / Replace overcenter check valve cap screws			
	·			
H10	Check Danfoss valves for oil leaks			
H11				
H12	Check overcenter cartridge lock nuts are tight	-	Г	
H13	Record high speed times of top and bottom arms		İ	
H14	Check hydraulic motors for leaks			
H15	Check for any damaged hydraulic tubes (Replace			
	as required)			
H16	Check all hoses for wear or damage			
H17	Check cylinder case or rod for any damage or leaks		1	
[2			
H18	Check PTO mounting bolts and prop shaft			
H19	Check PTO mountings and couplings	1/	С	
H20	Check pump drive coupling (Power pack)	1,	_	
	jeneen parity arrive ecopining (i offer paore)		!	

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST MONTHS OR HOURS MONTHS 9				
	SEDVICE INTEDVAL		9		NOTES
SERVICE INTERVA		-			NOTES
No	SERVICE ITEM	HOURS	10001		
		HOURS	300		
0.4	STRUCTURE				
S1	Check G pins for wear and movement				
S2	Check all bushes for wear		.		
S3	Check all pin keepers		1!		
S4	Check all crane base bash plates for damage				
S5	Check / Strengthen off side bash plate		l l		
S6	Check all arm / legs and crane bases for cracks				
S7	Clean chassis top flange surface		С		
S8	Check load transfer clearance and torque bolts		Т		
S9	Check all hose guide systems for damage and		1 1		
	location		'		
S10	Check twistlocks and twistlock handles		1		
S11	Check hammer locks and lifting lugs		1		
S12	Check all crane base lock position on chassis for			T	
	damage or wear		' ∣	[
S13	Check center beam slides for foot clearance		1		
S14	Check center beam slide stops				
S15	Check center beam slide chains and eye bolts		1		
S16	Check crane base guide angles for bends and				
	cracks		' '		
S17	Check nylon track aluminum is torque to chassis		Т		
S18	Check nylon track is tight / and not damaged		Т		
S19	Check linklocks for damage or wear		1		
S20	Check chassis for cracks and distortion				
S21	Check king pin and rub plate				
S22	Grease crane base locks		G		
S23	Grease arms		Gi		
S24	Grease T/B locks		G		
S25	Grease landing legs		Ğ	1	
	SYSTEM TESTS AND ADJUSTMENTS				
A1	Check leg angle system				
A2	Check crane base locking system		l i l		
A3	Check timing and synchronization			1	
A4	Check radio remote settings				
A5	Check ignition stop for radio remote				
A6	Check safety system functions		l i l		
A7	Check optical sensor	1	 i 	_	
A8	Check system pressures		lo	1	
A9	Check E stops		10	1	
A10	Check and pinion adjustments		le		
A11	Check side guide clearance		1		
A12	Check load transfer clearance and wear pads		+ ;		
A13	Check PVG 32 neutral points for coils		Ih		
A14	Check Sidelifter night light system		111	-	
A14 A15	Check Sideliner riight light system Check control cabinet gauges and lighting is		+ ' +	-	
AIS			1		
A16	working correctly Check all warning beepers		+ , -	+	
A17	Check manual override system		+ ; -	+	
		 	+ !		
A18	Check steer axle system	1	+ !		
A19	Check lift axle system		+!-		
A20	Check lifting chains				
A21	Check T/B lock system Air system and slide pads		1		
400	shim if required		+		
A22	Sidelifter load test				

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WINGII EVER GOMEGI IROT I	MONTHS	9		
	SERVICE INTERVAL				NOTES
No	SERVICE ITEM				NOTES
110	OEI(VIOE ITEM	HOURS	300		
	ELECTRICAL SYSTEM	HOUNC	000		
EL1	Check case of remote box				
EL2	Check remote box leads and wire enters		l i		
EL3	Check radio remote receiver for damage		l i		
EL4	Check cables / plugs and Arial connections for radio		<u> </u>		
	remote		l I		
EL5	Check battery connection		 		
EL6	Check all relays and EHFs are fitting		ΙĖ		
EL7	Check all terminal screws are tight		<u> </u>		
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		١.		
	condition				
EL11	Check all cable entrees		ı		
EL12	Check all junction boxes are secure				
EL13	Check all cable for damage				
EL14	Check conduit for damage		П		
EL15	Check wiring is adequately secured		l I		
EL16	Check fusible link on engine		1		
EL17	Check engine wiring for termination and condition				
EL18	Check engine earth wires to chassis		Т		
EL19	Check for correct operation of trailer lights		ı		
	SMART/ift				
SL1	Ensure that all junction box cable glands are tight		-		
	, , , , , ,		Т		
SL2	Check all 8 angle sensors are securely fixed		ı		
SL3	Check all angle sensor plug/socket assemblies are		Т		
SL4	Check Pressure Sensor Plug is tight		Т		
SL5	Check using toggle switch on B box Main Battery		<u>'</u>		
OLO	and ECU Battery				
SL6	ECU Battery should not read less 11.5v.				
SL7	Stabiliser fully retracted check the values are		<u>'</u>		
027	correct		l		
SL8	Stabiliser and observe the EXTENSION count up				
020	Casinosi and escente and Extrement scant ap		l		
SL9	OPTICAL sensor should alternate between 1 and 0		<u> </u>		
SL10	Castellated plastic strip passes under the sensor.		+'-	1	
JL IU	Note: EXTENSION = 0mm until the first tooth of the				
	castellated plastic strip is seen.		'		
SL11	With the Stabiliser fully extended check the values		-	1	
SLII	Twith the Stabiliser fully extended check the values		1		
SL12	Put the Stabiliser Foot on the ground and observe		1		
JL 12	the change		1		
SL13	Check that the Angle Sensor Values in the closed		1		
OL 13	position		- 1		
SL14	Deploy the Stabiliser and observe the Stabiliser		1		
JL 17	Angle Sensor count DOWN.		1		
SL15	Use the Stabiliser to tilt the trailer up and observe		1		
JE 13	the CAMBER count UP.		1		
SL16	Move the Top Arm up and observe the Top Arm		1		
3210	Angle Sensor count UP / DOWN				
SL17	Move the Bottom Arm up and observe the Top Arm		1		
JE17	Angle Sensor count UP/DOWN		1		
SL18	Fully extend the Top Arm and observe the		1		
JE 10	PRESSURE sensor value increase				
SL19	Check Calibration		1		
JETJ	OTIOON JUINIAUOTI	l	<u>'</u>	1	

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	9		
	SERVICE INTERVAL				NOTES
No	No SERVICE ITEM				
		HOURS	300		
	SUSPENSION, AXLES, BRAKES AND RUNNING	GEAR			
RG1	Visual inspection for security of all connections		ı		
RG2	Visual inspection. Grease and adjust brakes as		u		
RG3	Refer to manufactures guidelines		t		
	ABS SYSTEM CHECKS				
ABS1	Check brake chambers				
ABS2	Clean / Replace line filters		Сс		
ABS3	Check trailer air couplings		IC		
ABS4	Check test point are sealing correctly				
ABS5	Drain air tanks / clean drain plug		С		
ABS6	Check air tank mountings				
ABS7	Clean / Replace relay emergency valve filters in		s		
	ports		3		
ABS8	Check all ABS wires are secure away from moving				
	parts		'		
ABS9	Check all nylon air lines for damage		- 1		
ABS10	Check all brake hose for wear and tear		ı		
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				

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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

	FRON	T MODULE	REAR MODULE	
	BEFORE	AFTER	BEFORE	AFTER
TOP ARM UP		SECS		SECS
TOP ARM DOWN		SECS		SECS
BOTTOM ARM UP		SECS		SECS
BOTTOM ARM DOWN		SECS		SECS



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%



SERVICE PROGRAM

SERVICE REFERENCE 400 HR

VERSION: G0001_400HR V3

 ${\underline{\sf NB}}$ This service check sheet is for servicing and checking the cranes and operating system.

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:

	T A DEPARTMENT OF TRANSPORMEET THE DEMANDS OF THE ST		IS A STEELBRO SERVICE	
- <u>WORK REQUIRED AND AF</u>	PPROVED OUTSIDE STANDA	ARD SERVICE:		
For any comments NOTES i	eference check number first th	nen comment:		
<u>-</u>	For any comments NOTES reference check number first then comment:			
SERVICE CENTRE:				
CERTICE CERTIFICATION				
DATE:				
TECHNICIANI SIGNATURE:				
TEOTINICIAN SIGNATURE.				
CUSTOMER SIGNATURE:.				

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

WHICH EVER COMES HIGH HIGH HIGH						
		MONTHS	12			
	SERVICE INTERVAL				NOTES	
No	SERVICE ITEM					
		HOURS	400			
		-				
	ENGINE					
E2	Check / Change engine oil		R			
			_		1	

	FNOINE			
F0	ENGINE Characteristics	D		
E2	Check / Change engine oil	R	-	
E3	Cleaning / Replace of air cleaner element	С	-	
E4	Cleaning / Replace fuel filter	R	-	
E5	Check battery electrolyte level		-	
E6	5 1 200			
E7	Replace oil filter cartridge	R		
E8	Check / Replace intake air line	1	-	
E9	Clean sediment out of fuel tank	С	-	
E10	Check / Replace fuel line		-	
E11	Check / Change radiator coolant	1	-	
E12	Check / Replace fan belt		-	
E13	Check valve clearance		-	
E14	Check fuel injection nozzle injection pressure		-	
E15	Check injection pump			
E16	Check battery electrolyte level test	<u> </u>		
E17	Check / Replace fuel pipes and clamp bands	l i		
		'		
E18	Check exhaust and manifold bolts for security	T		
E19	Check engine throttle / stop mounting and operation	Т		
		'		
E20	Check engine speed is set correctly			
E21	Check stop system is functions correctly	1		
E22	Check all engine bolts	T		
	HYDRAULIC SYSTEM			
H1	Change high pressure filter	R		
H2	Change hydraulic return filter	R		
H3	Take oil sample and change when required	E		
H4	Clean / Change hydraulic breather cap filter	R		
H5	Check hydraulic hose and tube fittings	T		
H6	Check all tube clamps are secure	T		
H7	Check / Record system pressures (Adjust if required)	lk		
H8	Check cylinder valves for leaks or replace O rings		+	
ПО	Check cylinder valves for leaks of replace O fings	R		
H9	Check / Replace overcenter check valve cap screws	Т		
		į		
H10	Check Danfoss valves for oil leaks	1		
H11				
H12	Check overcenter cartridge lock nuts are tight	1		
H13	Record high speed times of top and bottom arms	lh		
H14	Check hydraulic motors for leaks			
H15	Check for any damaged hydraulic tubes (Replace			
	as required)	I		
H16	Check all hoses for wear or damage			
H17	Check cylinder case or rod for any damage or leaks	Т		
			1	
H18	Check PTO mounting bolts and prop shaft	Т	1	
H19	Check PTO mountings and couplings	1/0	<u> </u>	
H20	Check pump drive coupling (Power pack)			

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	12		
	SERVICE INTERVAL		12		NOTES
	SERVICE INTERVAL	-			NOTES
No	SERVICE ITEM		1400		
		HOURS	400		
0.1	STRUCTURE				
S1	Check G pins for wear and movement		ld		
S2	Check all bushes for wear		<u> </u>		
S3	Check all pin keepers		Т		
S4	Check all crane base bash plates for damage				
S5	Check / Strengthen off side bash plate				
S6	Check all arm / legs and crane bases for cracks				
S7	Clean chassis top flange surface		С		
S8	Check load transfer clearance and torque bolts		Т		
S9	Check all hose guide systems for damage and		1 1		
	location		'		
S10	Check twistlocks and twistlock handles		1		
S11	Check hammer locks and lifting lugs		1		
S12	Check all crane base lock position on chassis for			T	
	damage or wear		'		
S13	Check center beam slides for foot clearance				
S14	Check center beam slide stops				
S15	Check center beam slide chains and eye bolts		1		
S16	Check crane base guide angles for bends and				
	cracks		'		
S17	Check nylon track aluminum is torque to chassis		Т		
S18	Check nylon track is tight / and not damaged		Т		
S19	Check linklocks for damage or wear		1		
S20	Check chassis for cracks and distortion				
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				
A2	Check crane base locking system		T i		
A3	Check timing and synchronization		lm		
A4	Check radio remote settings		In		
A5	Check ignition stop for radio remote		1		
A6	Check safety system functions		† i 		
A7	Check optical sensor		† i 		
A8	Check system pressures		lo		
A9	Check E stops		ı	+	
A10	Check and pinion adjustments		Te	- +	
A11	Check side guide clearance	1	10	\dashv	
A12	Check load transfer clearance and wear pads		+	-	
A12	Check PVG 32 neutral points for coils		+		
A14	Check Sidelifter night light system		+	-	
A14 A15	Check Sidelifter riight light system Check control cabinet gauges and lighting is		+	-	
AIS					
A16	working correctly Check all warning becomes		+ -		
A16 A17	Check all warning beepers Check manual override system				
		1	+		
A18	Check steer axle system	1	+ !		
A19	Check lift axle system	1	1 1		
A20	Check lifting chains	1	Iq		
A21	Check T/B lock system Air system and slide pads				
400	shim if required	1	1		
A22	Sidelifter load test		Iр		

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	MONTHS 12						
	SERVICE INTERVAL	MONTHO	12		NOTES		
No	SERVICE ITEM				10120		
		HOURS	400				
	ELECTRICAL SYSTEM	III OIL	100				
EL1	Check case of remote box		_				
EL2	Check remote box leads and wire enters		T				
EL3	Check radio remote receiver for damage		i				
EL4	Check cables / plugs and Arial connections for radio						
	remote						
EL5	Check battery connection		Т				
EL6	Check all relays and EHFs are fitting		i				
EL7	Check all terminal screws are tight		Т				
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		С				
EL10	Check all junction boxes for seals and general						
	condition						
EL11	Check all cable entrees		-				
EL12	Check all junction boxes are secure						
EL13	Check all cable for damage		-				
EL14	Check conduit for damage		-				
EL15	Check wiring is adequately secured		-				
EL16	Check fusible link on engine		Т				
EL17	Check engine wiring for termination and condition		_				
			'				
EL18	Check engine earth wires to chassis						
EL19	Check for correct operation of trailer lights		-				
	SMART/Iift						
SL1	Ensure that all junction box cable glands are tight		Т				
			'				
SL2	Check all 8 angle sensors are securely fixed		- 1				
SL3	Check all angle sensor plug/socket assemblies are		Т				
SL4	Check Pressure Sensor Plug is tight		Т				
SL5	Check using toggle switch on B box Main Battery						
	and ECU Battery						
SL6	ECU Battery should not read less 11.5v.		ı				
SL7	Stabiliser fully retracted check the values are		1				
	correct		'				
SL8	Stabiliser and observe the EXTENSION count up		_				
			'				
SL9	OPTICAL sensor should alternate between 1 and 0		Ι				
SL10	Castellated plastic strip passes under the sensor.						
	Note: EXTENSION = 0mm until the first tooth of the						
	castellated plastic strip is seen.						
SL11	With the Stabiliser fully extended check the values						
	,						
SL12	Put the Stabiliser Foot on the ground and observe						
	the change						
SL13	Check that the Angle Sensor Values in the closed						
	position		'				
SL14	Deploy the Stabiliser and observe the Stabiliser						
	Angle Sensor count DOWN.	<u> </u>	l				
SL15	Use the Stabiliser to tilt the trailer up and observe						
	the CAMBER count UP.		<u> </u>				
SL16	Move the Top Arm up and observe the Top Arm		ı				
<u></u>	Angle Sensor count UP / DOWN		L'				
SL17	Move the Bottom Arm up and observe the Top Arm						
	Angle Sensor count UP/DOWN		<u> </u>				
SL18	Fully extend the Top Arm and observe the		_				
	PRESSURE sensor value increase		<u> </u>				
SL19	Check Calibration						
		· · · · · · · · · · · · · · · · · · ·	· <u>-</u>	_			

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST I	MONTHS	12	
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM			
		HOURS	400	
	SUSPENSION, AXLES, BRAKES AND RUNNING (GEAR		
RG1	Visual inspection for security of all connections		- 1	
RG2	Visual inspection. Grease and adjust brakes as		u	
RG3	Refer to manufactures guidelines		t	
	ABS SYSTEM CHECKS			
ABS1	Check brake chambers		-	
ABS2	Clean / Replace line filters		R	
ABS3	Check trailer air couplings		IC	
ABS4	Check test point are sealing correctly		S	
ABS5	Drain air tanks / clean drain plug		С	
ABS6	Check air tank mountings		Т	
ABS7	Clean / Replace relay emergency valve filters in			
	ports			
ABS8	Check all ABS wires are secure away from moving			
	parts		'	
ABS9	Check all nylon air lines for damage		- 1	
ABS10	Check all brake hose for wear and tear		- 1	
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		Ι	
ABS14	System test		lg	

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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	BEFORE	AFTER
TOP ARM UP		SECS		SECS
TOP ARM DOWN		SECS		SECS
BOTTOM ARM UP		SECS		SECS
BOTTOM ARM DOWN		SECS		SECS



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%



SERVICE PROGRAM

SERVICE REFERENCE 500 HR

VERSION: G0001_500HR V3

 ${\underline{\sf NB}}$ This service check sheet is for servicing and checking the cranes and operating system.

DATE:
FLEET NUMBER: PM REGO NUMBER: VIN NUMBER:
SERIAL NUMBER: SIDELIFTER MODEL: HOUR METER READING: HUBO METER READING:

	ELTIS NOT A DEPARTMENT OF TRANSPORT SAFETY CHECK SHEET; IT IS A STEELBRO SERVICE GNED TO MEET THE DEMANDS OF THE STEELBRO SIDELIFTER.	
- WORK REQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:		
For any comments	NOTES reference check number first then comment:	
SERVICE CENTRE		
OZKVIOZ OZKVIK		
DATE:		
TECHNICIAN SIGN	IATURE:	
I LOI INIOIAN SIOI	INTONE	
CUSTOMER SIGN	ATURE:	

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	15	
	SERVICE INT	ΓERVAL		NOTES
No	SERVICE ITEM			
		HOURS	500	
		- -		

	ENGINE				
E2	Check / Change engine oil	l			
E3	Cleaning / Replace of air cleaner element	C			
E4	Cleaning / Replace fuel filter	C	;		
E5	Check battery electrolyte level	l			
E6		l			
E7	Replace oil filter cartridge				
E8	Check / Replace intake air line				
E9	Clean sediment out of fuel tank				
E10	Check / Replace fuel line	l			
E11	Check / Change radiator coolant	C			
E12	Check / Replace fan belt	5	;		
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	١,			
		'			
E18	Check exhaust and manifold bolts for security	1			
E19	Check engine throttle / stop mounting and operation	1	.		
		'			
E20	Check engine speed is set correctly				
E21	Check stop system is functions correctly				
E22	Check all engine bolts				
	HYDRAULIC SYSTEM				
H1	Change high pressure filter				
H2	Change hydraulic return filter	ı			
H3	Take oil sample and change when required				
H4	Clean / Change hydraulic breather cap filter	C	;		
H5	Check hydraulic hose and tube fittings	1	•		
H6	Check all tube clamps are secure	I			
H7	Check / Record system pressures (Adjust if				
	required)	11			
H8	Check cylinder valves for leaks or replace O rings				
H9	Check / Replace overcenter check valve cap screws				
	·				
H10	Check Danfoss valves for oil leaks	ı			
H11					
H12	Check overcenter cartridge lock nuts are tight	1	-		
H13	Record high speed times of top and bottom arms				
H14	Check hydraulic motors for leaks	ı	T	1	
H15	Check for any damaged hydraulic tubes (Replace		1	1	
	as required)				
H16	Check all hoses for wear or damage	ı	1	1	
H17	Check cylinder case or rod for any damage or leaks		\dagger	\dashv	
[2				
H18	Check PTO mounting bolts and prop shaft		\dagger	\dashv	
H19	Check PTO mountings and couplings	1/	c	\dashv	
H20	Check pump drive coupling (Power pack)	'	-	+	
	jenesh pamp anto ocapining (i ottor paore)		I		

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

SERVICE ITEM SERVICE INTERVAL HOURS 500	
STRUCTURE STRU	
STRUCTURE S1 Check G pins for wear and movement S2 Check all bushes for wear S3 Check all pin keepers S4 Check All crane base bash plates for damage S5 Check / Strengthen off side bash plate S6 Check All arm / legs and crane bases for cracks S7 Clean chassis top flange surface S8 Check load transfer clearance and torque bolts S7 Clean chassis top flange surface S8 Check load transfer clearance and torque bolts S7 Check load transfer clearance and torque bolts S9 Check all hose guide systems for damage and location S10 Check twistlocks and twistlock handles S11 Check thammer locks and lifting lugs S12 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance S14 Check center beam slide stops S15 Check center beam slide stops S16 Check crane base guide angles for bends and cracks S17 Check nylon track is tight / and not damaged S18 Check nylon track is tight / and not damaged T9 Check linklocks for damage or wear S19 Check kinklocks for damage or wear S20 Check chassis for cracks and distortion S21 Check chassis for cracks and distortion S21 Check kinklocks for damage or wear S22 Grease crane base locks S23 Grease arms S24 Grease T7B locks S25 Grease landing legs SYSTEM TESTS AND ADJUSTMENTS A Check tigning and synchronization A4 Check kinging and synchronization A5 Check kinging and synchronization A6 Check cignition stop for radio remote	
STRUCTURE S1 Check G pins for wear and movement S2 Check all bushes for wear S3 Check all pin keepers S4 Check all cance base bash plates for damage S5 Check / Strengthen off side bash plate S6 Check / Strengthen off side bash plate S7 Clean chassis top flange surface S8 Check load transfer clearance and torque bolts S7 Clean chassis top flange surface C C S8 Check all hose guide systems for damage and location S9 Check all hose guide systems for damage and location S10 Check twistlocks and twistlock handles S11 Check twistlocks and tiffing lugs S12 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance S14 Check center beam slide stops S15 Check center beam slide stops S16 Check center beam slide stops S17 Check center beam slide stops S18 Check center beam slide chains and eye bolts S19 Check rane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis S18 Check nylon track is tight / and not damaged T S19 Check linklocks for damage or wear S20 Check chassis for cracks and distortion S21 Check king pin and rub plate I Check king pin and rub plate I Check king pin and rub plate I Check crase base locks S23 Grease arms S24 Grease T/B locks S25 Grease landing legs S45 Check crane base locking system I Check kiming and synchronization A4 Check kiming and synchronization A5 Check kiming and synchronization A6 Check kiming and synchronization A7 Check kiming and synchronization A8 Check kiming and synchronization A8 Check kiming and synchronization A9 Check kiming and synchronization A9 Check kiming and synchronization A1 Check kiming and synchronization A1 Check kiming and synchronization A6 Check kiming and synchronization B1	
S1 Check G pins for wear and movement S2 Check all bushes for wear S3 Check all pin keepers S4 Check all crane base bash plates for damage S5 Check / Strengthen off side bash plate S6 Check / Strengthen off side bash plate S7 Clean chassis top flange surface S8 Check load transfer clearance and torque bolts S9 Check all hose guide systems for damage and location S10 Check twistlocks and twistlock handles S11 Check twistlocks and twistlock handles S12 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance S14 Check center beam slide stops S15 Check center beam slide chains and eye bolts S16 Check center beam slide stops S17 Check center beam slide stops S18 Check center beam slide stops S19 Check kinklocks for damage or wear S10 Check namer tocks and distinglugs S10 Check center beam slide stops S11 Check center beam slide stops S12 Check center beam slide stops S13 Check center beam slide stops S14 Check center beam slide stops S15 Check center beam slide stops S16 Check crane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis S18 Check nylon track is tight / and not damaged S19 Check linklocks for damage or wear S19 Check kinklocks for cracks and distortion S20 Check chassis for cracks and distortion S21 Check king pin and rub plate S22 Grease crane base locks S23 Grease arms S24 Grease T/B locks S25 Grease landing legs SYSTEM TESTS AND ADJUSTMENTS AL Check kingin and synchronization	
S1 Check G pins for wear and movement S2 Check all bushes for wear S3 Check all pin keepers S4 Check all crane base bash plates for damage S5 Check / Strengthen off side bash plate S6 Check / Strengthen off side bash plate S7 Clean chassis top flange surface S8 Check load transfer clearance and torque bolts S9 Check all hose guide systems for damage and location S10 Check twistlocks and twistlock handles S11 Check twistlocks and twistlock handles S12 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance S14 Check center beam slide stops S15 Check center beam slide chains and eye bolts S16 Check center beam slide stops S17 Check center beam slide stops S18 Check center beam slide stops S19 Check kinklocks for damage or wear S10 Check namer tocks and distinglugs S10 Check center beam slide stops S11 Check center beam slide stops S12 Check center beam slide stops S13 Check center beam slide stops S14 Check center beam slide stops S15 Check center beam slide stops S16 Check crane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis S18 Check nylon track is tight / and not damaged S19 Check linklocks for damage or wear S19 Check kinklocks for cracks and distortion S20 Check chassis for cracks and distortion S21 Check king pin and rub plate S22 Grease crane base locks S23 Grease arms S24 Grease T/B locks S25 Grease landing legs SYSTEM TESTS AND ADJUSTMENTS AL Check kingin and synchronization	
S2 Check all bushes for wear S3 Check all pin keepers S4 Check all rane base bash plates for damage S5 Check / Strengthen off side bash plate S6 Check all arm / legs and crane bases for cracks S7 Clean chassis top flange surface C C S8 Check load transfer clearance and torque bolts T Clean chassis top flange surface C C C C S8 Check all hose guide systems for damage and location Check twistlocks and twistlock handles S10 Check all hose guide systems for damage and location Check twistlocks and twistlock handles S11 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance S14 Check center beam slide stops S15 Check center beam slide chains and eye bolts S16 Check center beam slide chains and eye bolts S17 Check center beam slide chains and eye bolts S18 Check nylon track aluminum is torque to chassis S19 Check inklocks for damage or wear S19 Check inklocks for damage or wear S10 Check chassis for cracks and distortion S10 Check chassis for cracks and distortion S11 Check king pin and rub plate S20 Check chassis for cracks and distortion S21 Check king pin and rub plate S22 Grease crane base locks S23 Grease arms S24 Grease T/B locks S25 Grease landing legs SYSTEM TESTS AND ADJUSTMENTS All Check leg angle system S20 Check drain gand synchronization All Check timing and synchronization	
S3 Check all pin keepers S4 Check all crane base bash plates for damage S5 Check / Strengthen off side bash plate S6 Check / Strengthen off side bash plate S7 Clean chassis top flange surface S8 Check load transfer clearance and torque bolts S9 Check load transfer clearance and torque bolts T S9 Check lall hose guide systems for damage and location S10 Check twistlocks and twistlock handles S11 Check hammer locks and lifting lugs S12 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance S14 Check center beam slide stops S15 Check center beam slide stops S16 Check crane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis S17 Check nylon track aluminum is torque to chassis S18 Check nylon track aluminum is torque to chassis S19 Check chassis for cracks and distortion S10 Check king pin and rub plate S11 Check king pin and rub plate S12 Check king pin and rub plate S13 Check linklocks for damage or wear S14 Check chassis for cracks and distortion S15 Check chassis for cracks and distortion S16 Check chassis for cracks and distortion S17 Check king pin and rub plate S18 Check chassis for cracks and distortion S19 Check chassis for cracks and distortion S20 Check chassis for cracks and distortion S21 Check king pin and rub plate S22 Grease crane base locks S23 Grease arms S24 Grease arms S26 Grease landing legs S27 Grease landing legs S28 Grease landing legs S29 Grease landing legs S29 Grease landing legs S20 Check chase be locking system S21 Check kiming and synchronization A4 Check train pand synchronization A5 Check timing and synchronization A6 Check timing and synchronization A7 Check kiming and synchronization A8 Check trains pand synchronization A9 Check trains pand synchronization Check kiming and synchronization	
Check all crane base bash plates for damage	
S5	
Check all arm / legs and crane bases for cracks	
S7 Clean chassis top flange surface S8 Check load transfer clearance and torque bolts T	
S8 Check load transfer clearance and torque bolts S9 Check all hose guide systems for damage and location S10 Check twistlocks and twistlock handles S11 Check hammer locks and lifting lugs S12 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance S14 Check center beam slide stops S15 Check center beam slide stops S16 Check crane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis S18 Check nylon track is tight / and not damaged S19 Check linklocks for damage or wear S19 Check linklocks for damage or wear S10 Check chassis for cracks and distortion S11 Check king pin and rub plate S12 Check king pin and rub plate S13 Grease crane base locks S14 Check leg angle system S15 Check leg angle system S16 Check crane base locking system S17 Check linklocks for damage or wear S19 Check leg angle system S10 Check linklocks for damage or wear S10 Check leg angle system S11 Check linklocks S12 Check leg angle system S13 Check linklocks S14 Check crane base locking system S15 Check linklocks S16 Check linklocks S17 Check linklocks S18 Check linklocks S19 Check linklocks S19 Check linklocks S20 Check linklocks S21 Check linklocks S22 Check crane base locks S23 Check linklocks S24 Check crane base locking system S25 Check linklocks S26 Check linklocks S27 Check linklocks S28 Check linklocks S29 Check linklocks S29 Check linklocks S20 Check linklocks S20 Check linklocks S20 Check linklocks S20 Check linklocks S21 Check linklocks S22 Check linklocks S23 Check linklocks S24 Check linklocks S25 Check linklocks S26 Check linklocks S27 Check linklocks S28 Check linklocks S29 Check linklocks S29 Check linklocks S20 Check linklocks S21 Check linklocks S22 Check linklocks S25 Check linklocks S26 Check linklocks S27 Check linklocks S28 Check linklocks S29 Check linklocks S29 Check linklocks S20 Check linklocks S20 Check linklocks S20 Check linklocks S20 Check li	
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location	
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 S13 Check center beam slides for foot clearance I S14 Check center beam slide stops I S15 Check center beam slide stops I S16 Check crane base guide angles for bends and cracks I S16 Check crane base guide angles for bends and cracks I Check nylon track aluminum is torque to chassis I S17 Check nylon track is tight / and not damaged 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 G S23 Grease arms G G S24 Grease T/B locks G G S25 Grease landing legs G SYSTEM TESTS AND ADJUSTMENTS I Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote I	
S11 Check hammer locks and lifting lugs	
S12 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance S14 Check center beam slide stops S15 Check center beam slide chains and eye bolts S16 Check crane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis S18 Check nylon track is tight / and not damaged S19 Check linklocks for damage or wear S20 Check chassis for cracks and distortion S21 Check king pin and rub plate S22 Grease crane base locks S23 Grease arms Gi S24 Grease T/B locks G S25 Grease landing legs G SYSTEM TESTS AND ADJUSTMENTS A1 Check liming and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote	
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S14 Check center beam slide stops I	
S15 Check center beam slide chains and eye bolts S16 Check crane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis S18 Check nylon track is tight / and not damaged S19 Check linklocks for damage or wear S20 Check chassis for cracks and distortion S21 Check king pin and rub plate S22 Grease crane base locks S23 Grease arms S24 Grease T/B locks S25 Grease landing legs SYSTEM TESTS AND ADJUSTMENTS A1 Check leg angle system A2 Check crane base locking system A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote	
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S18 Check nylon track is tight / and not damaged T S19 Check linklocks for damage or wear 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 A2 Check crane base locking system A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote	
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S21 Check king pin and rub plate S22 Grease crane base locks S23 Grease arms Gi S24 Grease T/B locks S25 Grease landing legs G S25 Grease landing legs A1 Check leg angle system A2 Check crane base locking system A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote	
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SYSTEM TESTS AND ADJUSTMENTS A1 Check leg angle system I A2 Check crane base locking system I A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote I	
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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	
A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote	
A4 Check radio remote settings A5 Check ignition stop for radio remote	
A5 Check ignition stop for radio remote	
A6 Check safety system functions I I I	
A7 Check optical sensor	
A8 Check system pressures lo	
A9 Check E stops I	
A10 Check rack and pinion adjustments le	
A11 Check side guide clearance	
A12 Check load transfer clearance and wear pads I	
A13 Check PVG 32 neutral points for coils	
A14 Check Sidelifter night light system	
A15 Check control cabinet gauges and lighting is	
working correctly	
A16 Check all warning beepers	
A17 Check manual override system	
A18 Check steer axle system	
A19 Check lift axle system I	
A20 Check lifting chains I	
A21 Check T/B lock system Air system and slide pads	
shim if required	
A22 Sidelifter load test	

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST IN	MONTHS	15	
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM			10123
140	OLIVIOL II LIII	HOURS	500	
	ELECTRICAL SYSTEM	HOOKO	300	
EL1	Check case of remote box		1	
EL2	Check remote box leads and wire enters		l i	
EL3	Check radio remote receiver for damage		i i	
EL4	Check cables / plugs and Arial connections for radio		<u>'</u>	
	remote		I	
EL5	Check battery connection			
EL6	Check all relays and EHFs are fitting		l 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		١.	
	condition		I	
EL11	Check all cable entrees		ı	
EL12	Check all junction boxes are secure			
EL13	Check all cable for damage		ı	
EL14	Check conduit for damage		ı	
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		Т	
EL19	Check for correct operation of trailer lights		I	
	SMART/lift			
SL1	Ensure that all junction box cable glands are tight		Т	
			ı	
SL2	Check all 8 angle sensors are securely fixed		I	
SL3	Check all angle sensor plug/socket assemblies are		Т	
SL4	Check Pressure Sensor Plug is tight		Т	
SL5	Check using toggle switch on B box Main Battery			
	and ECU Battery		I	
SL6	ECU Battery should not read less 11.5v.			
SL7	Stabiliser fully retracted check the values are		١.	
	correct		I	
SL8	Stabiliser and observe the EXTENSION count up		١.	
	· ·		ı	
SL9	OPTICAL sensor should alternate between 1 and 0			
SL10	Castellated plastic strip passes under the sensor.			
02.10	Note: EXTENSION = 0mm until the first tooth of the		l	
	castellated plastic strip is seen.			
SL11	With the Stabiliser fully extended check the values			
	The classics raily shortast shoot are varied		I	
SL12	Put the Stabiliser Foot on the ground and observe			
<u>-</u>	the change		I	
SL13	Check that the Angle Sensor Values in the closed		١.	
	position		I	
SL14	Deploy the Stabiliser and observe the Stabiliser		١.	
	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		ı	
	PRÉSSURE sensor value increase		I	
SL19	Check Calibration		ı	
			_	

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST I	MONTHS	15	
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM			
		HOURS	500	
	SUSPENSION, AXLES, BRAKES AND RUNNING	GEAR		
RG1	Visual inspection for security of all connections		-	
RG2	Visual inspection. Grease and adjust brakes as		u	
RG3	Refer to manufactures guidelines		t	
	ABS SYSTEM CHECKS			
ABS1	Check brake chambers			
ABS2	Clean / Replace line filters		Сс	
ABS3	Check trailer air couplings		IC	
ABS4	Check test point are sealing correctly			
ABS5	Drain air tanks / clean drain plug		С	
ABS6	Check air tank mountings			
ABS7	Clean / Replace relay emergency valve filters in		S	
	ports		٥	
ABS8	Check all ABS wires are secure away from moving			
	parts			
ABS9	Check all nylon air lines for damage		ı	
ABS10	Check all brake hose for wear and tear		- 1	
ABS11	Check all hose clamps on brake hose			
ABS12	Check auto slacks for damage and all pins are		- 1	
ABS13	Test for air leaks			
ABS14	System test			

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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

	FRON	T MODULE	REAR MODULE		
	BEFORE	AFTER	BEFORE	AFTER	
TOP ARM UP		SECS		SECS	
TOP ARM DOWN	ARM DOWN			SECS	
BOTTOM ARM UP		SECS		SECS	
BOTTOM ARM DOWN		SECS		SECS	



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%



SERVICE PROGRAM

SERVICE REFERENCE 600 HR

VERSION: G0001_600HR V3

NB THIS SERVICE CHECK SHEET IS FOR SERVICING AND CHECKING THE CRANES AND OPERATING SYSTEM.

DATE: DATE LAST SERVICE: NEXT SERVICE DUE:	
FLEET NUMBER:PM REGO NUMBER:VIN NUMBER:	•
SERIAL NUMBER: SIDELIFTER MODEL: HOUR METER READING: HUBO METER READING:	

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:	
For any comments NOTES reference check number first then comment:	
	• • • • • • • • • • • • • • • • • • • •
SERVICE CENTRE:	
DATE:	
TECHNICIAN SIGNATURE:	
CUSTOMER SIGNATURE:	

SERIAL No:

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WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	18				
	SERVICE INTERVA	_			NOTES		
No	SERVICE ITEM						
		HOURS	600				
		-					

	ENGINE			
E2	Check / Change engine oil	R		
E3	Cleaning / Replace of air cleaner element	R		
E4	Cleaning / Replace fuel filter	C		
E5	Check battery electrolyte level	1		
E6				
E7	Replace oil filter cartridge	R		
E8	Check / Replace intake air line	1		
E9	Clean sediment out of fuel tank			
E10	Check / Replace fuel line	S		
E11	Check / Change radiator coolant	1		
E12	Check / Replace fan belt	1		
E13	Check valve clearance			
E14	Check fuel injection nozzle injection pressure			
E15	Check injection pump			
E16	Check battery electrolyte level test	1		
E17	Check / Replace fuel pipes and clamp bands	1		
		!		
E18	Check exhaust and manifold bolts for security	Т		
E19	Check engine throttle / stop mounting and operation	Т		
		1		
E20	Check engine speed is set correctly	1		
E21	Check stop system is functions correctly	1		
E22	Check all engine bolts	Т		
	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	С		
H5	Check hydraulic hose and tube fittings	Т		
H6	Check all tube clamps are secure	1		
H7	Check / Record system pressures (Adjust if			
	required)	lk		
H8	Check cylinder valves for leaks or replace O rings			
		1		
H9	Check / Replace overcenter check valve cap screws	-		
		T		
H10	Check Danfoss valves for oil leaks	1		
H11				
H12	Check overcenter cartridge lock nuts are tight	1		
H13	Record high speed times of top and bottom arms	11-		
		Ih		
H14	Check hydraulic motors for leaks	1		
H15	Check for any damaged hydraulic tubes (Replace			
	as required)			
H16	Check all hoses for wear or damage	1	T	
H17	Check cylinder case or rod for any damage or leaks	<u> </u>	1	
	,,,,,			
H18	Check PTO mounting bolts and prop shaft	Т	1	
H19	Check PTO mountings and couplings	1/		
H20	Check pump drive coupling (Power pack)	1.7	1	
	1 1 2 2 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2			· ·

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SERIAL No:

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WHICH EVER COMES FIRST MONTHS OR HOURS

SERVICE ITEM SERVICE ITEM HOURS 600 HOURS HOURS HOURS HOURS		WHICH EVER COMES FIRST MONTHS OR HOURS MONTHS 18						
STRUCTURE S1 Check G pins for wear and movement Id S2 Check all bushes for wear I S3 Check all pushes for wear I S4 Check all prin keepers T S5 Check all crane base bash plates for damage I S6 Check all arm / legs and crane bases for cracks I S6 Check all arm / legs and crane bases for cracks I S7 Clean chassis top flange surface C S8 Check all arm / legs and crane bases for cracks I S7 Clean chassis top flange surface C S8 Check all arm / legs and crane bases for cracks I S7 Clean chassis top flange surface C S8 Check all arm / legs and crane base for cracks I S7 Clean chassis top flange surface C S8 Check all rose guide systems for damage and location Check twistocks and twistlock handles I S10 Check hammer locks and filting lugs I S11 Check hammer locks and filting lugs I S12 Check all crane base lock position on chassis for damage or wear S13 Check center beam slides for foot clearance I S14 Check center beam slide stops I S15 Check center beam slide stops I S16 Check center beam slide stops I S17 Check center beam slide stops I S18 Check center beam slide stops I S19 Check inknotes for damage or wear I S10 Check kind track sluminum is torque to chassis I S11 Check center beam slide stops I S12 Check kind prin and tracks I S13 Check kind prin and print I S14 Check king prin and print I S15 Check chassis for cracks and distortion I S20 Check king prin and plate I S20 Check king prin and plate I S21 Check king prin and plate I S22 Grease arms G S24 Grease arms G S25 Grease landing legs G S26 Grease landing legs G S27 Grease landing legs G S28 Grease landing legs G S29 Grease landing legs I S20 Check king print print points for coils I S21 Check king print print points for coils I S22 Grease arms G S23 Grease arms G S24 Grease individe guese and lighting is I S25 Grease landing legs I S26 Grease landing legs I S27 Grea		SEDVICE INTEDVAL		10		NOTES		
STRUCTURE S1 Check Gipins for wear and movement S2 Check all pins keepers S2 Check all pins keepers S3 Check all pin keepers S4 Check all pin keepers S5 Check Cyteruphan of side bash plates S6 Check Cyteruphan of side bash plate S6 Check Cyteruphan of side bash plate S7 Cleen chassis top flange surface S8 Check Cyteruphan of side bash plate S8 Check Control side side side side side side side side			-			NOTES		
STRUCTURE S1 Check G pins for wear and movement S2 Check all bushes for wear I I S2 Check all bushes for wear I I S3 Check all pin keepers S4 Check all crane base bash plates for damage I I S6 Check I diram logs and crane bases for cracks S6 Check I diram logs and crane bases for cracks I Check I diram logs and crane bases for cracks I Check I diram logs and crane bases for cracks I Check I diram logs and crane bases for cracks I Check I diram logs and crane bases for cracks I Check I diram logs and crane bases for cracks I Check I diram logs and crane bases for cracks I Check I diram logs and twistlock handles I Check twistlocks and twistlock handles I Check charen beam slides for foot clearance I damage or wear I Check center beam slides for foot clearance I Check center beam slides for foot clearance I Check crane base guide angles for bends and cracks I Check crane base guide angles for bends and cracks I Check krylon track is tight / and not damaged I Check krylon track is tight / and not damaged I Check king pin and rub plate I Check king pin and rub pla	NO	SERVICE ITEM	1101100	1000				
S1 Check G pins for wear and movement Id S2 Check all bushes for wear I S3 Check all bushes for wear I S4 Check all pin keepers T S5 Check of all crain base bash plates for damage I S5 Check / Strengthen off side bash plate I S6 Check / Strengthen off side bash plate I S6 Check all arm / legs and craine bases for cracks I S7 Clean chassis top flange surface C S8 Check all mose guide systems for damage and I Check all hose guide systems for damage and I Check all hose guide systems for damage and I Check all hose guide systems for damage and I Check all hose guide systems for damage and I Check all craine base lock position on chassis for I S10 Check all craine base lock position on chassis for I S11 Check center beam slide stops I S12 Check center beam slide stops I S13 Check center beam slide stops I S14 Check center beam slide chains and eye bolts I S15 Check center beam slide stops I S16 Check center beam slide stops I S17 Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check limitocks for damage or wear I Check chassis for cracks and distortion I S21 Check limitocks for damage or wear I Check chassis for cracks and distortion I S22 Check chassis for cracks and distortion I S23 Grease ame base locks G G G G G G G G G G G			HOURS	600				
S1 Check G pins for wear and movement Id S2 Check all bushes for wear I S3 Check all bushes for wear I S4 Check all pin keepers T S5 Check of all crain base bash plates for damage I S5 Check / Strengthen off side bash plate I S6 Check / Strengthen off side bash plate I S6 Check all arm / legs and craine bases for cracks I S7 Clean chassis top flange surface C S8 Check all mose guide systems for damage and I Check all hose guide systems for damage and I Check all hose guide systems for damage and I Check all hose guide systems for damage and I Check all hose guide systems for damage and I Check all craine base lock position on chassis for I S10 Check all craine base lock position on chassis for I S11 Check center beam slide stops I S12 Check center beam slide stops I S13 Check center beam slide stops I S14 Check center beam slide chains and eye bolts I S15 Check center beam slide stops I S16 Check center beam slide stops I S17 Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check rane base guide angles for bends and I cracks Check limitocks for damage or wear I Check chassis for cracks and distortion I S21 Check limitocks for damage or wear I Check chassis for cracks and distortion I S22 Check chassis for cracks and distortion I S23 Grease ame base locks G G G G G G G G G G G								
S2								
Check all pin keepers	S1	<u> </u>		Id .				
Check all crane base bash plates for damage 1	S2			<u> </u>				
Check Strengthen off side bash plate 1				T				
Check all arm / legs and crane bases for cracks 1	S4							
Clean chassis top flange surface C	S5							
Check all hose guide systems for damage and location I	S6							
Check all hose guide systems for damage and location I								
location	S8			Т				
Check twistlocks and twistlock handles	S9			1 1				
Check all crane base lock position on chassis for damage or wear				' '				
S12 Check center beam slides for foot clearance 1 S13 Check center beam slides stops 1 S14 Check center beam slide stops 1 S15 Check center beam slide stops 1 S16 Check center beam slide stops 1 S17 Check center beam slide chains and eye bolts 1 S18 Check center beam slide chains and eye bolts 1 S19 Check center beam slide chains and eye bolts 1 S19 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 1 S20 Check kinklocks for damage or wear 1 S21 Check king pin and rub plate 1 S22 Grease crane base locks G S23 Grease arms Gi S24 Grease arms Gi S25 Grease landing legs G S25 Grease landing legs G S25 Grease landing legs G S27 Grease landing legs G S28 Grease landing legs G S29 Grease landing legs G S29 Grease landing legs G S20 Grease landing legs G S21 Check triming and synchronization Im S22 Check crane base locking system 1 S23 Check triming and synchronization Im S24 Check triming and synchronization Im S26 Check signition stop for radio remote I S27 Check kinglition stop for radio remote I S28 Check signition stop for radio remote I S29 Check system pressures I S20 Check system pressures I S21 Check system pressures I S22 Check rack and pinion adjustments T S23 Check rack and pinion adjustments T S40 Check side guide clearance I S41 Check Rock PVG 32 retural points for coils In S42 Check Rock PVG 32 retural points for coils In S43 Check Rock PVG 32 retural points for coils In S44 Check Rock Rock Rock Rock Rock Rock Rock Ro				1				
damage or wear 13		Check hammer locks and lifting lugs		1				
damage or wear 13	S12	Check all crane base lock position on chassis for			T			
S15 Check center beam slide stops S16 Check center beam slide chains and eye bolts S16 Check crane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis T Check nylon track is tight / and not damaged T S18 Check nylon track is tight / and not damaged T S19 Check linklocks for damage or wear S19 Check chassis for cracks and distortion I I Check chassis for cracks and distortion S21 Check chassis for cracks and distortion S22 Check chassis for cracks and distortion S21 Check king pin and rub plate I I Check king pin and rub plate S22 Grease crane base locks S23 Grease arms Gi S24 Grease Till locks G G S25 Grease landing legs G G SYSTEM TESTS AND ADJUSTMENTS A1 Check crane base locking system I Check crane base locking system I I Check king and synchronization I I I Check indice remote settings A4 Check ignition stop for radio remote A6 Check safety system functions A7 Check optical sensor I Check optical sensor I Check stack and pinion adjustments A8 Check est as soptiments A9 Check Estops I Check ignifion adjustments Te A11 Check is did guide clearance I Check safed guide clearance I Check ignifion adjustments Te A11 Check is de guide clearance and wear pads I Check ignifion adjustments I Check ignifion and ignifion and ignifion ignifion and		damage or wear	<u> </u>	'_				
S15 Check center beam slide chains and eye bolts S16 Check crane base guide angles for bends and cracks S17 Check nylon track aluminum is torque to chassis S18 Check nylon track aluminum is torque to chassis T S18 Check nylon track is tight / and not damaged T S19 Check linklocks for damage or wear S20 Check chassis for cracks and distortion S21 Check king pin and rub plate S22 Grease crane base locks G G S23 Grease arms G G G S24 Grease I/B locks G G G G G G G G G G G G G G G G G G G	S13	Check center beam slides for foot clearance						
Check crane base guide angles for bends and cracks	S14							
Check crane base guide angles for bends and cracks	S15	Check center beam slide chains and eye bolts						
Cracks	S16							
S18 Check nylon track is tight / and not damaged				'				
S18 Check nylon track is tight / and not damaged	S17	Check nylon track aluminum is torque to chassis		Т				
S19 Check linklocks for damage or wear S20 Check chassis for cracks and distortion S21 Check king pin and rub plate S22 Grease crane base locks S23 Grease arms Gi S24 Grease Till locks G S25 Grease landing legs G S25 Grease landing legs SYSTEM TESTS AND ADJUSTMENTS A1 Check leg angle system A2 Check crane base locking system A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote A6 Check safety system functions A7 Check system pressures A8 Check system pressures B Check system pressures B Check side guide clearance A9 Check stops Check radio rangle system I Check radio rangle system I D SA Check side guide clearance I D SA Check side guide clearance I D SA Check side guide clearance I D Check radio rangle remote setting I D SA Check side guide clearance I D SA Check side guide clearance I D SA Check side guide clearance I D SA Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers I Check dall warning beepers I Check lift axle system ir system and slide pads shim if required				Т				
S20 Check chassis for cracks and distortion I S21 Check king pin and rub plate I S22 Grease crans base locks G G S23 Grease arms Gi S24 Grease trans base locks G G S25 Grease T/B locks G G S25 Grease landing legs G G SYSTEM TESTS AND ADJUSTMENTS				1				
S21 Check king pin and rub plate I S22 Grease crane base locks G G G G G G G G G				Ti				
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 I 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 optical sensor 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 A11 Check PVG 32 neutral points for coils Ih A13 Check PVG 32 neutral points for coils Ih A14 Check control cabinet gauges and lighting is working correctly <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
S23 Grease arms Gi S24 Grease landing legs G S25 Grease landing legs G SYSTEM TESTS AND ADJUSTMENTS I A1 Check leg angle system I A2 Check crane base locking system I A3 Check timing and synchronization Im A4 Check indice more 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 stops I A10 Check rack and pinion adjustments Te A11 Check side guide clearance I A11 Check side guide clearance I A12 Check load transfer clearance and wear pads I A13 Check VG 32 neutral points for coils Ih A14 Check Sidelifter night light system I A15 Check other control cabinet gauges and lighting is working				Ġ				
S24 Grease T/B locks S25 Grease landing legs G SYSTEM TESTS AND ADJUSTMENTS A1 Check leg angle system A2 Check crane base locking system A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote A6 Check safety system functions A7 Check optical sensor A8 Check system pressures B0 Check stating and synchronization A7 Check optical sensor B1 Check system pressures B1 Check system pressures B1 Check stating B2 Check E stops B3 Check E stops B4 Check side guide clearance B4 Check Sidelifter night light system B4 Check Sidelifter night light system B4 Check Chrolic cabinet gauges and lighting is working correctly B4 Check all warning beepers B4 Check all warning beepers B4 Check siter axle system B4 Check lift axle system B4 Check lift ing chains B4 Check lifting chains B4 Check Iff ing chains B4 Check System Air system and slide pads shim if required	S23							
S25 Grease landing legs SYSTEM TESTS AND ADJUSTMENTS A1 Check leg angle system A2 Check crane base locking system A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote A6 Check safety system functions A7 Check optical sensor A8 Check system pressures A9 Check Estops A1 Check side guide clearance A10 Check rado and pinion adjustments A11 Check side guide clearance A12 Check load transfer clearance and wear pads A13 Check PVG 32 neutral points for coils A14 Check Sidelifter night light system A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check Steer axle system A19 Check lift axle system A10 Check lift axle system A11 Check lift axle system A12 Check lift axle system A13 Check lift axle system A14 Check lift axle system A15 Check lift axle system A16 Check lift axle system A17 Check lift axle system A18 Check Steer axle system A19 Check lifting chains A20 Check lifting chains A21 Check T/B lock system Air system and slide pads Shim if required								
SYSTEM TESTS AND ADJUSTMENTS A1 Check leg angle system								
A1 Check leg angle system A2 Check crane base locking system A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote A6 Check safety system functions A7 Check optical sensor A8 Check optical sensor BA9 Check E stops A10 Check rack and pinion adjustments A11 Check side guide clearance A12 Check load transfer clearance and wear pads A13 Check Sidellifter night light system BA14 Check Sidellifter night light system BA15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers BA17 Check analual override system BA18 Check steer axle system BA19 Check lift axle system BA19 Check lift axle system BA20 Check lift axle system BA21 Check lifting chains BA21 Check lifting chains BA21 Check lifting chains BA21 Check lifting chains BA22 Check lift required		SYSTEM TESTS AND ADJUSTMENTS						
A2 Check crane base locking system A3 Check timing and synchronization A4 Check radio remote settings A5 Check ignition stop for radio remote A6 Check safety system functions A7 Check optical sensor A8 Check system pressures A9 Check E stops A1 Check rack and pinion adjustments A11 Check rack and pinion adjustments A12 Check load transfer clearance A13 Check PVG 32 neutral points for coils A14 Check Sidelifter night light system A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check Steer axle system A19 Check lift axle system A10 Check lift axle system A11 Check system A12 Check lift axle system A13 Check pvc axle system A14 Check steer axle system A15 Check manual override system A16 Check all warning beepers A17 Check manual override system A18 Check steer axle system A19 Check lift axle system A10 Check lifting chains A21 Check T/B lock system Air system and slide pads Shim if required	A1							
A3 Check timing and synchronization	A2			T i				
A4 Check radio remote settings A5 Check ignition stop for radio remote A6 Check safety system functions A7 Check optical sensor A8 Check system pressures A9 Check E stops A1 Check rack and pinion adjustments A10 Check rack and pinion adjustments A11 Check side guide clearance A12 Check load transfer clearance and wear pads A13 Check PVG 32 neutral points for coils A14 Check Sidelifter night light system A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check steer axle system A19 Check lift axle system A19 Check lift axle system A20 Check lifting chains A21 Check TyB lock system Air system and slide pads shim if required				lm				
A5 Check ignition stop for radio remote	A4							
A6 Check safety system functions A7 Check optical sensor A8 Check system pressures A9 Check E stops A10 Check rack and pinion adjustments A11 Check side guide clearance A12 Check load transfer clearance and wear pads A13 Check PVG 32 neutral points for coils A14 Check Sidelifter night light system A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check steer axle system A19 Check lifting chains A20 Check lifting chains A21 Check T/B lock system Air system and slide pads shim if required	A5		1	1 1				
A7 Check optical sensor I I A8 Check system pressures I Io A9 Check E stops I I A10 Check rack and pinion adjustments Te A11 Check side guide clearance I 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 I A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers I I A17 Check manual override system I I A18 Check steer axle system I I A19 Check lift axle system I I A20 Check lifting chains I I A21 Check T/B lock system Air system and slide pads shim if required				T i				
A8 Check system pressures Io A9 Check E stops I I A10 Check rack and pinion adjustments Te A11 Check side guide clearance I 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 I A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers I I A17 Check manual override system I I A18 Check steer axle system I I A19 Check lift axle system I I A20 Check Iff taxle system I I A21 Check T/B lock system Air system and slide pads shim if required				T i				
A9 Check E stops A10 Check rack and pinion adjustments Te A11 Check side guide clearance A12 Check load transfer clearance and wear pads A13 Check PVG 32 neutral points for coils A14 Check Sidelifter night light system A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check steer axle system A19 Check lift axle system A20 Check lifting chains A21 Check T/B lock system Air system and slide pads shim if required				lo.				
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 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 Iff lock system Air system and slide pads shim if required	Α9			10				
A11 Check side guide clearance A12 Check load transfer clearance and wear pads A13 Check PVG 32 neutral points for coils A14 Check Sidelifter night light system A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check steer axle system A19 Check lift axle system A20 Check lifting chains A21 Check T/B lock system Air system and slide pads shim if required		Check rack and ninion adjustments		T△	-+			
A12 Check load transfer clearance and wear pads A13 Check PVG 32 neutral points for coils A14 Check Sidelifter night light system A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check steer axle system A19 Check lift axle system A20 Check lifting chains A21 Check T/B lock system Air system and slide pads shim if required			1	10	-+			
A13 Check PVG 32 neutral points for coils A14 Check Sidelifter night light system A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check steer axle system A19 Check lift axle system A20 Check lifting chains A21 Check T/B lock system Air system and slide pads shim if required			1	+	-			
A14 Check Sidelifter night light system I Check control cabinet gauges and lighting is working correctly A15 Check all warning beepers I Check all warning beepers I Check manual override system I Check steer axle system I Check steer axle system I Check lift axle system I Check lift axle system I Check lifting chains I Check T/B lock system Air system and slide pads shim if required			+	I I	-+			
A15 Check control cabinet gauges and lighting is working correctly A16 Check all warning beepers A17 Check manual override system A18 Check steer axle system A19 Check lift axle system A20 Check lifting chains A21 Check T/B lock system Air system and slide pads shim if required			1	111				
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A16 Check all warning beepers I	CIA							
A17 Check manual override system I A18 Check steer axle system I I A19 Check lift axle system I I A20 Check lifting chains I Check T/B lock system Air system and slide pads shim if required	A4C		1	+				
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			1	+				
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			1	+ + -				
A20 Check lifting chains A21 Check T/B lock system Air system and slide pads shim if required			1	1!				
A21 Check T/B lock system Air system and slide pads shim if required				44				
shim if required								
	A21			$ \cdot $				
A22 Sidelifter load test			1	4				
	A22	Sidelifter load test						

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SERIAL No:

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WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	18	
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM		1	
		HOURS	600	
E1.4	ELECTRICAL SYSTEM			
EL1	Check case of remote box		+++	
EL2	Check remote box leads and wire enters		T	
EL3 EL4	Check radio remote receiver for damage		+ '	
EL4	Check cables / plugs and Arial connections for radio remote		1	
EL5	Check battery connection		Т	
EL6	Check all relays and EHFs are fitting		1	
EL7	Check all terminal screws are tight		T	
EL8	Check all wiring terminations /plugs and connectors			
	are secure and free of corrosion		ı	
EL9	Check drain holes in junction boxes are clear of obstruction		С	
EL10	Check all junction boxes for seals and general condition		1	
EL11	Check all cable entrees			
EL12	Check all junction boxes are secure			
EL13	Check all cable for damage			
EL14	Check conduit for damage			
EL15	Check wiring is adequately secured		I	
EL16	Check fusible link on engine		Т	
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	
	SMART/ift			
SL1	Ensure that all junction box cable glands are tight		Т	
SL2	Check all 8 angle sensors are securely fixed		I	
SL3	Check all angle sensor plug/socket assemblies are		Т	
SL4	Check Pressure Sensor Plug is tight		T	
SL5	Check using toggle switch on B box Main Battery and ECU Battery		ı	
SL6	ECU Battery should not read less 11.5v.			
SL7	Stabiliser fully retracted check the values are correct		ı	
SL8	Stabiliser and observe the EXTENSION count up			
SL9	OPTICAL sensor should alternate between 1 and 0			
SL10	Castellated plastic strip passes under the sensor.			
SLIU	Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen.		ı	
SL11	With the Stabiliser fully extended check the values		1	
SL12	Put the Stabiliser Foot on the ground and observe		ı	
SL13	the change Check that the Angle Sensor Values in the closed		ı	
SL14	Deploy the Stabiliser and observe the Stabiliser			
SL15	Angle Sensor count DOWN. Use the Stabiliser to tilt the trailer up and observe			
SL16	the CAMBER count UP. Move the Top Arm up and observe the Top Arm			
SL17	Angle Sensor count UP / DOWN Move the Bottom Arm up and observe the Top Arm			
SL18	Angle Sensor count UP/DOWN Fully extend the Top Arm and observe the			
	PRESSURE sensor value increase			
SL19	Check Calibration		I	

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SERIAL No:

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WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST I	1		 1
		MONTHS	18	
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM			
		HOURS	600	
	SUSPENSION, AXLES, BRAKES AND RUNNING	GEAR		
RG1	Visual inspection for security of all connections			
RG2	Visual inspection. Grease and adjust brakes as		u	
RG3	Refer to manufactures guidelines		t	
	ABS SYSTEM CHECKS			
ABS1	Check brake chambers			
ABS2	Clean / Replace line filters		Сс	
ABS3	Check trailer air couplings		IC	
ABS4	Check test point are sealing correctly		S	
ABS5	Drain air tanks / clean drain plug		С	
ABS6	Check air tank mountings		Т	
ABS7	Clean / Replace relay emergency valve filters in			
	ports			
ABS8	Check all ABS wires are secure away from moving			
	parts		'	
ABS9	Check all nylon air lines for damage			
ABS10	Check all brake hose for wear and tear			
ABS11	Check all hose clamps on brake hose			
ABS12	Check auto slacks for damage and all pins are		I	
ABS13	Test for air leaks		I	
ABS14	System test		lg	

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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

	FRON	T MODULE	REAR N	MODULE
	BEFORE	AFTER	BEFORE	AFTER
TOP ARM UP		SECS		SECS
TOP ARM DOWN		SECS		SECS
BOTTOM ARM UP		SECS		SECS
BOTTOM ARM DOWN		SECS		SECS



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%



SERVICE PROGRAM

SERVICE REFERENCE 700 HR

VERSION: G0001_700HR V3

 ${\underline{\sf NB}}$ This service check sheet is for servicing and checking the cranes and operating system.

DATE: DATE LAST SERVICE: NEXT SERVICE DUE:	
FLEET NUMBER:PM REGO NUMBER:VIN NUMBER:	•
SERIAL NUMBER: SIDELIFTER MODEL: HOUR METER READING: HUBO METER READING:	

	PROGRAM DESIGNED TO MEET THE DEMANDS OF THE STEELBRO SIDELIFTER.						
WORK REQUIRED AND APPROVED OUTSIDE STANDARD SERVICE:							
For any comments	NOTES reference check number first then comment:						
SERVICE CENTRE							
OZKVIOZ OZKVIK							
DATE:							
TECHNICIAN SIGN	IATURE:						
I LOI INIOIAN SIOI	INTONE						
CUSTOMER SIGN	ATURE:						

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	***************************************			• • •	
		MONTHS	21		
	SERVICE INTERVA	L			NOTES
No	SERVICE ITEM				
		HOURS	700		

	ENGINE			
E2	Check / Change engine oil			
E3	Cleaning / Replace of air cleaner element	(_	
E4	Cleaning / Replace fuel filter	()	
E5	Check battery electrolyte level			
E6				
E7	Replace oil filter cartridge			
E8	Check / Replace intake air line			
E9	Clean sediment out of fuel tank			
E10	Check / Replace fuel line			
E11	Check / Change radiator coolant			
E12	Check / Replace fan belt			
E13	Check valve clearance			
E14	Check fuel injection nozzle injection pressure			
E15	Check injection pump			
E16	Check battery electrolyte level test			
E17	Check / Replace fuel pipes and clamp bands			
E18	Check exhaust and manifold bolts for security	-	7	
E19	Check engine throttle / stop mounting and operation	-	-	
E20	Check engine speed is set correctly			
E21	Check stop system is functions correctly			
E22	Check all engine bolts			
	HYDRAULIC SYSTEM			
H1	Change high pressure filter			
H2	Change hydraulic return filter			
H3	Take oil sample and change when required			
H4	Clean / Change hydraulic breather cap filter	()	
H5	Check hydraulic hose and tube fittings	-		
H6	Check all tube clamps are secure			
H7	Check / Record system pressures (Adjust if			
	required)	1	۲	
H8	Check cylinder valves for leaks or replace O rings			
	g			
H9	Check / Replace overcenter check valve cap screws			
	· '			
H10	Check Danfoss valves for oil leaks			
H11			T	
H12	Check overcenter cartridge lock nuts are tight	-	7	
H13	Record high speed times of top and bottom arms			
H14	Check hydraulic motors for leaks			
H15	Check for any damaged hydraulic tubes (Replace			
	as required)			
H16	Check all hoses for wear or damage			
H17	Check cylinder case or rod for any damage or leaks		1	
[2			
H18	Check PTO mounting bolts and prop shaft		1	
H19	Check PTO mountings and couplings	1/	С	
H20	Check pump drive coupling (Power pack)	1,	_	
	journey and occuping (1 offer paore)			<u> </u>

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST				
	OFFINIOF INTERVAL	MONTHS	21		NOTES
	SERVICE INTERVAL				NOTES
No	SERVICE ITEM				
		HOURS	700		
	STRUCTURE				
S1	Check G pins for wear and movement				
S2	Check all bushes for wear				
S3	Check all pin keepers				
S4	Check all crane base bash plates for damage				
S5	Check / Strengthen off side bash plate				
S6	Check all arm / legs and crane bases for cracks				
S7	Clean chassis top flange surface		С		
S8	Check load transfer clearance and torque bolts		Т		
S9	Check all hose guide systems for damage and				
	location				
S10	Check twistlocks and twistlock handles				
S11	Check hammer locks and lifting lugs				
S12	Check all crane base lock position on chassis for		1		
	damage or wear		<u> </u>		
S13	Check center beam slides for foot clearance				
S14	Check center beam slide stops		-		
S15	Check center beam slide chains and eye bolts				-
S16	Check crane base guide angles for bends and				
	cracks		'		
S17	Check nylon track aluminum is torque to chassis		Т		
S18	Check nylon track is tight / and not damaged		Т		
S19	Check linklocks for damage or wear		-		
S20	Check chassis for cracks and distortion		ı		
S21	Check king pin and rub plate				
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		ı		
A2	Check crane base locking system				
A3	Check timing and synchronization				
A4	Check radio remote settings				
A5	Check ignition stop for radio remote		-		
A6	Check safety system functions		-		
A7	Check optical sensor		-		
A8	Check system pressures		lo		
A9	Check E stops				
A10	Check rack and pinion adjustments		le		
A11	Check side guide clearance		I		
A12	Check load transfer clearance and wear pads				-
A13	Check PVG 32 neutral points for coils				
A14	Check Sidelifter night light system				
A15	Check control cabinet gauges and lighting is				
	working correctly		'		
A16	Check all warning beepers		I		
A17	Check manual override system				-
A18	Check steer axle system				
A19	Check lift axle system		I		
A20	Check lifting chains		I		
A21	Check T/B lock system Air system and slide pads		1		
A 2 2	shim if required Sidelifter load test		-		
A22	Sidelliter Idad test			<u> </u>	

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST IN	MONTHS	21	<u> </u>	
	SERVICE INTERVAL	MONTHO			NOTES
No	SERVICE ITEM				NOTES
NO	OLIVIOL II LIVI	HOURS	700		
	ELECTRICAL SYSTEM	HOOKS	700		
EL1	Check case of remote box		1		
EL2	Check remote box leads and wire enters		 		
EL3	Check radio remote receiver for damage		<u> </u>		
EL4	Check cables / plugs and Arial connections for radio		<u> </u>		
CL4	, •		1		
TI E	remote Check battery connection		<u> </u>		
EL5 EL6	Check all relays and EHFs are fitting				
EL7	Check all terminal screws are tight		<u> </u>		
	Check all viring terminations /plugs and connectors				
EL8					
EL O	are secure and free of corrosion				
EL9	Check drain holes in junction boxes are clear of				
FI 40	obstruction				
EL10	Check all junction boxes for seals and general		1		
EL 44	condition		<u> </u>		
EL11	Check all cable entrees		l I		
EL12	Check all junction boxes are secure		<u> </u>		
EL13	Check all cable for damage				
EL14	Check conduit for damage		<u> </u>		
EL15	Check wiring is adequately secured				
EL16	Check fusible link on engine		I		
EL17	Check engine wiring for termination and condition				
EL18	Check engine earth wires to chassis		Т		
EL19	Check for correct operation of trailer lights		I		
	SMART/ift				
SL1	Ensure that all junction box cable glands are tight		Т		
			<u> </u>		
SL2	Check all 8 angle sensors are securely fixed				
SL3	Check all angle sensor plug/socket assemblies are		Т		
SL4	Check Pressure Sensor Plug is tight		Т		
SL5	Check using toggle switch on B box Main Battery				
	and ECU Battery		l		
SL6	ECU Battery should not read less 11.5v.				
SL7	Stabiliser fully retracted check the values are				
	correct		I		
SL8	Stabiliser and observe the EXTENSION count up		l .		
			l		
SL9	OPTICAL sensor should alternate between 1 and 0		ı		
SL10	Castellated plastic strip passes under the sensor.		-		
SLIU	Note: EXTENSION = 0mm until the first tooth of the		l		
	castellated plastic strip is seen.		'		
SL11	With the Stabiliser fully extended check the values				
SLII	With the Stabiliser fully extended theth the values		I		
SL12	Put the Stabiliser Foot on the ground and observe			<u> </u>	
SLIZ	the change		- 1		
SL13	Check that the Angle Sensor Values in the closed				
SLIS	position		I		
SL14					
3L14	Deploy the Stabiliser and observe the Stabiliser Angle Sensor count DOWN.		I		
SL15	Use the Stabiliser to tilt the trailer up and observe		-		
SL 15			I		
CI 16	the CAMBER count UP.		-		
SL16	Move the Top Arm up and observe the Top Arm		1		
01.47	Angle Sensor count UP / DOWN		-		
SL17	Move the Bottom Arm up and observe the Top Arm		I		
01.40	Angle Sensor count UP/DOWN				
SL18	Fully extend the Top Arm and observe the		l		
	PRESSURE sensor value increase				
SL19	Check Calibration		I	L	

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FIRST I			IN 3	<u> </u>	
		MONTHS	21			
	SERVICE INTERVAL				NOTES	
No	SERVICE ITEM					
		HOURS	700			
	SUSPENSION, AXLES, BRAKES AND RUNNING	GEAR				
RG1	Visual inspection for security of all connections		- 1			
RG2	Visual inspection. Grease and adjust brakes as		u			
RG3	Refer to manufactures guidelines		t			
	ABS SYSTEM CHECKS					
ABS1	Check brake chambers		- 1			
ABS2	Clean / Replace line filters		Сс			
ABS3	Check trailer air couplings		IC			
ABS4	Check test point are sealing correctly					
ABS5	Drain air tanks / clean drain plug		С			
ABS6	Check air tank mountings					
ABS7	Clean / Replace relay emergency valve filters in		s			
	ports		3			
ABS8	Check all ABS wires are secure away from moving		1			
	parts		'			
ABS9	Check all nylon air lines for damage		- 1			
ABS10	Check all brake hose for wear and tear		- 1			
ABS11	Check all hose clamps on brake hose		Ī			
ABS12	Check auto slacks for damage and all pins are		I			
ABS13	Test for air leaks		I			
ABS14	System test					

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Key to Service Schedule.

- S Strip / Clean inspect and replace on requirement
- G Grease
- 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 bearing
- 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

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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	BEFORE	AFTER
TOP ARM UP		SECS		SECS
TOP ARM DOWN		SECS		SECS
BOTTOM ARM UP		SECS		SECS
BOTTOM ARM DOWN		SECS		SECS



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%

Key to Service Schedule.

- S Strip / Clean inspect and replace on requirement
- G Grease
- 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 bearing
- 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

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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:
• • • •	
• • • •	
	For any comments NOTES reference check number first then comment:
	To any comments NOTES reference check number hist their comment.
• • • •	
	SERVICE CENTRE:
	DATE
	DATE:
	TECHNICIAN SIGNATURE:
	CUSTOMER SIGNATURE:

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	30	
No	SERVICE INTERVA	ıL		NOTES
		HOURS	1000	

	·		
	ENGINE		
E2	Check / Change engine oil	R	
E3	Cleaning / Replace of air cleaner element	С	
E4	Cleaning / Replace fuel filter	С	
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	С	
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	- 1	
E17	Check / Replace fuel pipes and clamp bands	1	
E18	Check exhaust and manifold bolts for security	Т	
E19	Check engine throttle / stop mounting and	Т	
	operation		
E20	Check engine speed is set correctly		
E21	Check stop system is functions correctly		
E22	Check all engine bolts	Т	
	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	С	
H5	Check hydraulic hose and tube fittings	Т	
H6	Check all tube clamps are secure	ı	
H7	Check / Record system pressures (Adjust if required)	lk	
H8	Check cylinder valves for leaks or replace O rings	1	
H9	Check / Replace overcenter check valve cap	Т	
L10	Screws Check Deptace valves for all leaks	1	
H10	Check Danfoss valves for oil leaks	1	
H11 H12	Check overcenter cartridge lock nuts are tight	1	
H13	Record high speed times of top and bottom arms	lh	
H14	Check hydraulic motors for leaks	1	
H15	Check for any damaged hydraulic tubes	1	
1113	(Replace as required)	- 1	
H16	Check all hoses for wear or damage	1	
H17	Check cylinder case or rod for any damage or	1	
1117	leaks	- 1	
H18	Check PTO mounting bolts and prop shaft	Т	
H19	Check PTO mounting bots and prop shart Check PTO mountings and couplings	1/C	
H20	Check pump drive coupling (Power pack)	1, 0	
1 120	Tonesk pump unve coupling (Fower pack)		

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WHICH EVER COMES FIRST MONTHS OR HOURS

	WHICH EVER COMES FI	MONTHS	30	
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM			
		HOURS 1000		
C4	STRUCTURE		l al	
S1 S2	Check G pins for wear and movement Check all bushes for wear		ld	
S3	Check all pin keepers		Ť	
S4	Check all crane base bash plates for damage		1	
07	Check all craite base basii plates for damage		I	
S5	Check / Strengthen off side bash plate		I	
S6	Check all arm / legs and crane bases for			
	cracks		Į.	
S7	Clean chassis top flange surface		С	
S8	Check load transfer clearance and torque bolts		Т	
S9	Check all hose guide systems for damage and		- 1	
S10	Check twistlocks and twistlock handles		1	
S11	Check hammer locks and lifting lugs		I	
S12	Check all crane base lock position on chassis for damage or wear		- 1	
S13	Check center beam slides for foot clearance		1	
S14	Check center beam slide stops		I	
S15	Check center beam slide chains and eye bolts		1	
S16	Check crane base guide angles for bends and cracks		1	
S17	Check nylon track aluminum is torque to chassis		Т	
S18	Check nylon track is tight / and not damaged		Т	
S19	Check linklocks for damage or wear		1	
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 SYSTEM TESTS AND ADJUSTMENTS		G	
A1	Check leg angle system		1	
	Check crane base locking system		<u> </u>	
A2 A3	Check timing and synchronization		Im	
A4	Check radio remote settings		In	
A5	Check ignition stop for radio remote		l ï	
A5 A6 A7	Check safety system functions		I	
A7	Check optical sensor		I	
A8	Check system pressures		lo	
A9	Check E stops		1	
A10	Check rack and pinion adjustments		Те	
A11	Check side guide clearance			
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			
A17	Check manual override system		!	
A18	Check steer axle system		!	
A19	Check lift axle system			
A20 A21	Check lifting chains Check T/B lock system Air system and slide			
	pads shim if required		I	
A22	Sidelifter load test			

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SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

No. SERVICE ITEM		WHICH EVER COMES FII	MONTHS 30		IOUR		
No. SERVICE ITEM HOURS 1000			MONTHS	30		NOTES	
ELT Check case of remote box	No					NOTES	
ELECTRICAL SYSTEM EL Check case of remote box EL Check case of control box leads and wire enters Check case of plugs and Arial connections for radio remote receiver for damage EL Check cables / plugs and Arial connections for radio remote receiver for damage EL Check battery connection The Check battery connection Check all relays and EHFs are fitting EL Check all relays and EHFs are fitting EL Check all wring terminations plugs and connectors are secure and free of corrosion EL Check all wring terminations plugs and connectors are secure and free of corrosion EL Check drain holes in junction boxes are clear of obstruction Check all junction boxes for seals and general condition EL Check all junction boxes are secure EL Check all cable entress EL Check all cable for termination and connection for damage EL Check conduit for damage EL Check unsuble link on engine EL Check fusible link on engine EL Check fusible link on engine EL Check engine wring for termination and condition EL Check fusible link on engine EL Check wring is adequately secured EL Check fusible link on engine EL Check vanighe earth wires to chassis EL Check or correct operation of trailer lights Check or correct operation of trailer lights EL Check all angle sensors are securely fixed Check all angle sensors are securely fixed Check wisnighe group the sensor plug socket Check all angle sensors are securely fixed EL Check all angle sensors are securely fixed EL Check all angle sensors are securely fixed EL Check wisnighes fully retracted check the values are correct operation of trailer lights EL Check and angle sensors are securely fixed EL Check wisnighes fully extended check the values are correct operation of trailer lights EL Check wisnighes and observe the EXTENSION count up Deploy the Stabiliser fully extended check the values are correct operation of trailer lights to only the sensor whole alternate between 1 EL Check wisnighes fully extended check the values are correct operation of trailer lights to	NO		HOUDS	1000			
EL1 Check case of remote box executed in a control of the control			HOOKS	1000			
EL2 Check remote box leads and wire enters	EI 1			1			
EL3 Check cables / plugs and Arial connections for radio remote cables / plugs and Arial connections for radio remote Check all refunds a connections for radio remote Check all refunds a connections for the Check all refunds a connections are sequent and free of cornosion connections are sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free connections are sequent and free connections. The sequent and free connections are sequent and free of connections. The sequent and free connections are sequent and free conne				+ +			
EL4 Check cables / plugs and Arial connections for radio remote remote connection and connections for radio remote connection T Check battery connection T Check all relays and EHFs are fitting I T Check all relays and EHFs are fitting I T Check all relays and EHFs are fitting I T Check all terminal screws are tight T T Check all wring ferminalistors / plugs and connectors are secure and free of corrosion I I Check all wring ferminalistors / plugs and connectors are secure and free of corrosion I I Check all junction boxes for seals and general condition Check all junction boxes for seals and general condition Check all cable entriese I I Check all cable for damage I Check engine writing for termination and condition that all junction box cable glands are tight that all junction box cable glands are secured for the cable glands are tight tha				1 1			
radio remote 1				1			
EL5 Check battery connection T C EL6 Check all relays and EHF are fitting I C C check all terminal screws are tight T C Check all terminal screws are tight T C C check all terminations / blugs and connectors are secure and free of corrosion I C C C connectors are secure and free of corrosion I C C C C C C C C C C C C C C C C C C	LL4			1			
ELG Check all refinals crows are light T Check all wining terminations / holyas and connectors are secure and free of corrosion I Check drain holes in junction boxes are clear of obstruction of check drain holes in junction boxes are clear of obstruction of check drain holes in junction boxes are clear of obstruction of check drain holes in junction boxes are clear of obstruction of check drain holes in junction boxes are clear of obstruction of check drain holes in junction boxes are secure I check clies the interest of the check conduit for damage I check conduit for conduit f	FI 5			Т			
EL7 Check all terminal screws are tight EL8 Check all wing terminations /plugs and connectors are secure and free of corrosion EL9 Check drain / inclinion boxes are clear of obstruction EL10 Check all junction boxes for seals and general condition EL11 Check all junction boxes for seals and general condition EL11 Check all junction boxes are secure EL12 Check all junction boxes are secure EL13 Check all junction boxes are secure EL14 Check conduit for damage EL15 Check wiring is adequately secured EL16 Check viring is adequately secured EL16 Check viring is adequately secured EL17 Check engine wiring for termination and condition EL18 Check engine earth wires to chassis EL19 Check for correct operation of trailer lights SMARTIII SL1 Ensure that all junction box cable glands are tight Check all angle sensors are securely fixed I Check all angle sensor plug/socket T Check all angle sensor plug/socket T Check all angle sensor plug/socket T Check using toggle switch on 8 box Main Battery and ECU Battery should not read less 11.5v. ECU Battery should not read less 11.5v				 			
EL8 Check all winting terminations /plugs and connectors are secure and free of corrosion 1 EL9 Check drain holes in junction boxes are clear of obstruction 1 EL10 Check all junction boxes for seals and general condition 1 EL11 Check all cable entrees 1 EL12 Check all cable entrees 1 EL13 Check all cable entrees 1 EL14 Check conduit for damage 1 EL15 Check all stable for damage 1 EL16 Check winning is adequately secured 1 EL17 Check engine winning for termination and condition 1 Check engine earth wires to chassis 1 EL18 Check engine earth wires to chassis 1 EL19 Check off corrored operation of trailer lights 1 SMARYIII Shary 1 SL1 Check all angle sensor plug/socket T SL2 Check all angle sensors are securely fixed 1 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 1 Battery and ECU Battery 1 SL6 ECU Battery should not read less 11.5v. 1 SL7 Stabiliser fully retracted check the values are correct 1 SL8 Stabiliser folly retracted check the values are correct 1 SL9 OPTICAL sensor should alternate between 1 1 SL10 Check that the Angle Sensor values in the closed position 1 SL10 Check that the Angle Sensor values in the closed position 1 SL10 Check that the Angle Sensor count DOWN 1 SL11 Mow the Top Arm up and observe the Top Arm Angle Sensor count DOWN 1 SL12 Mow the Bottom Arm up and observe the Top Arm Angle Sensor count DOWN 1 SL13 Fully extend the Top Arm and observe the Top Arm Angle Sensor count DOWN 1 SL16 Fully extend the Top Arm and observe the Top Arm Angle Sensor count DOWN 1 SL17 Mow the Bottom Arm up and observe				 			
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EL10 Check all junction boxes for seals and general condition general condition EL11 Check all cable entrees EL12 Check all curton boxes are secure EL13 Check all curton boxes are secure EL14 Check conduit for damage I I EL14 Check conduit for damage I I EL15 Check wiring is adequately secured I I EL16 Check wiring is adequately secured I I EL16 Check wiring is adequately secured I I EL17 Check engine wiring for termination and condition EL18 Check sequence arith wires to chassis EL19 Check for correct operation of trailer lights SNARTIT SLATITIC Check all angle sensors are securely fixed I Ensure that all junction box cable glands are tight. Check all angle sensor plug/socket I Check All angle sensor plug/socket I Check Pressure Sensor Plug is tight T SL3 Check wising toggle swirch on B box Main Battery and ECU Battery SL5 Check wising toggle swirch on B box Main Battery and ECU Battery SL6 ECU Battery should not read less 11.5v. SL7 Stabiliser fully retracted check the values are correct SL8 Stabiliser and observe the EXTENSION count up SL9 OPTICAL sensor should alternate between 1 SL10 Castellated plastic strip passes under the sensor. Note: EXTENSION = 0 mm until the first tooth of the castellated plastic strip is seen. SL11 With the Stabiliser Foot on the ground and observe the change SL12 Put the Stabiliser Foot on the ground and observe the Stabiliser and observe the Stabiliser and observe the Stabiliser and observe the Top Arm Angle Sensor count DOWN. SL10 Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP / DOWN Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP / DOWN Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP / DOWN Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP / DOWN Move the Bottom Arm up and obse				С			
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EL11 Check all cable entrees EL12 Check all cable for damage EL14 Check call duction boxes are secure EL15 Check all cable for damage EL16 Check conduit for damage EL17 Check wining is adequately secured EL16 Check negrine wrining for termination and condition EL17 Check engine wrining for termination and condition EL18 Check sequence and wrining the sequence of trailer lights SNARTITE SNARTITE SL1 Check lall angle sensor sare securely fixed L Check lall angle sensor plug/socket T USL3 Check all angle sensor plug/socket T USL3 Check all angle sensor plug/socket T USL4 Check Pressure Sensor Plug is tight T USL5 Check using toggle swirth on 8 box Main Battery and ECU Battery SL4 Check Pressure Sensor Plug is tight T USL5 Check using toggle swirth on 8 box Main Battery and ECU Battery SL5 Check using toggle swirth on 8 box Main Battery and ECU Battery SL6 ECU Battery should not read less 11.5v. SL7 Stabiliser fully retracted check the values are correct Correct SL8 Stabiliser and observe the EXTENSION count UP SL9 OPTICAL sensor should alternate between 1 SL10 Castellated plastic strip passes under the sensor. Note: EXTENSION = 0 mm until the lifest tooth of the castellated plastic strip is seen. SL11 With he Stabiliser Foot on the ground and observe the change SL12 Put the Stabiliser Foot on the ground and observe the Stabiliser Angle Sensor values in the closed position SL14 Depth the Stabiliser and observe the Top Arm Angle Sensor count UP/DOWN Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP/DOWN PRESSURE sensor value increase							
EL12 Check all junction boxes are secure	FI 11			1 1			
EL13 Check all cable for damage EL14 Check conduit for damage EL15 Check witing is adequately secured EL16 Check witing is adequately secured EL17 Check engine witing for termination and condition EL18 Check engine witing for termination and condition EL18 Check engine witing for termination and condition EL19 Check engine witing for termination and condition EL19 Check and the state of the s				i			
EL14 Check conduit for damage EL15 Check wiring is adequately secured I I EL16 Check usible link on engine EL17 Check usible link on engine EL17 Check engine wiring for termination and condition EL18 Check for correct operation of trailer lights I I SMARTIII Ensure that all junction box cable glands are tight tight SL2 Check all angle sensors are securely fixed I Check valing toggle switch on B box Main Battery and ECU Battery SL3 Check using toggle switch on B box Main Battery and ECU Battery SL3 Stabiliser fully retracted check the values are correct SL8 Stabiliser fully retracted check the values are correct SL8 Stabiliser and observe the EXTENSION count up SL9 OPTICAL sensor should alternate between 1 SL10 Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. SL11 With the Stabiliser fully extended check the values SL12 Put the Stabiliser fully extended check the values SL13 Check that the Angle Sensor Values in the closed position SL14 Deploy the Stabiliser and observe the Top Arm Angle Sensor count UP / DOWN SL16 Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP / DOWN SL17 Move the Bottom Arm up and observe the Top Arm Angle Sensor count UP / DOWN SL18 Fully extend the Top Arm and observe the P PRESSURE sensor value increase				l i			
EL15 Check fusible link on engine				i i			
EL16 Check tengine wiring for termination and condition EL18 Check engine earth wires to chassis EL19 Check for correct operation of trailer lights SMART III SL1 Ensure that all junction box cable glands are tight SL2 Check all 8 angle sensors are securely fixed L1 Check all 8 angle sensor plug/socket L2 Check all 8 angle sensor plug/socket L3 Check using toggle switch on B box Main Battery and ECU Battery SL4 Check using toggle switch on B box Main Battery and ECU Battery SL5 Extra Stabiliser fully retracted check the values are correct SL8 Stabiliser and observe the EXTENSION count up SL9 OPTICAL sensor should alternate between 1 SL10 Castellated plastic strip passes under the sensor. Note: EXTENSION = 0mm until the first tooth of the castellated plastic strip is seen. SL11 With the Stabiliser Foot on the ground and observe the Change SL13 Check that the Angle Sensor Values in the closed position SL14 Deploy the Stabiliser and observe the TOP Arm Angle Sensor count UP / DOWN SL16 Move the TOp Arm and observe the TOP Arm Angle Sensor count UP/DOWN SL17 Move the Bottom Arm up and observe the TOP Arm Angle Sensor count UP/DOWN SL17 Move the Bottom Arm up and observe the TOP Arm Angle Sensor count UP/DOWN SL18 Fully extend the Top Arm and observe the PPRESSURE sensor value increase				i i			
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PROGRAM START DATE:	STEELBRO	SERVICE	PROGRAM

SERIAL No:....

WHICH EVER COMES FIRST MONTHS OR HOURS

		MONTHS	30	
	SERVICE INTERVAL			NOTES
No	SERVICE ITEM			
		HOURS	1000	
	SUSPENSION, AXLES, BRAKES AND RUNN	ING GEAR		
RG1	Visual inspection for security of all		1 1	
	connections			
RG2	Visual inspection. Grease and adjust brakes		u	
RG3	Refer to manufactures guidelines		t	
	ABS SYSTEM CHECKS			
ABS1	Check brake chambers		1	
ABS2	Clean / Replace line filters		Сс	
ABS3	Check trailer air couplings		IC	
ABS4	Check test point are sealing correctly		S	
ABS5	Drain air tanks / clean drain plug		С	
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			
ABS9	Check all nylon air lines for damage			
ABS10	Check all brake hose for wear and tear		ı	
ABS11	Check all hose clamps on brake hose		ı	
ABS12	Check auto slacks for damage and all pins are		I	
ABS13	Test for air leaks		ı	
ABS14	System test		lg	

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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

	FRON	T MODULE	REAR MODULE	
	BEFORE	AFTER	BEFORE	AFTER
TOP ARM UP		SECS		SECS
TOP ARM DOWN		SECS		SECS
BOTTOM ARM UP		SECS		SECS
BOTTOM ARM DOWN		SECS		SECS



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



BRAKE LINING RECORD SHEET

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

Brake Drum Comments

	LEFT	RIGHT
1st Axle		
2 nd Axle		
3 rd Axle		

Brake Shoe Wear

	LEFT	RIGHT
1st Axle	%	%
2 nd Axle	%	%
3 rd Axle	%	%