

Heavy Vehicle SAFETY INSPECTION

VEHICLE:	HITACHI 85 USB	ENGINE HRS:	457.4
REGO NO:	N/A	KLMS:	-
UNIT NO:	SDH 36	DATE:	2-2-24
		NAME:	LOUIE

Purpose:

This inspection is to ensure all machinery is compliant to company standards and to provide a safer working environment for all personal entering this site.

Detailed Instructions:

1	Report any damage to supervisor.	/
2	Review comments in pre- start book and discuss with Operator if available.	/
3	Check prestart comply to site and OEM brake testing	/
4	Check all warning buzzers and or indicators	N/A
5	Check operation of all lights. including work lights, brake lights, high beam and spotlights	/
6	Check operation of warning horn	/
7	Check operation of wipers and blades	/
8	Check operation of window washers	/
9	Check operation of reverse alarm	/
10	Check water level	/
11	Check oil level	/
12	Check wheels, tyres, nuts and studs / tracks	/
13	Check tyre pressures	/
14	Check battery for connection. Check leads	N/A
15	Check filters	/
16	Check fire extinguisher fitment, date and charge	/
17	Check air conditioner operation	/
18	Check seatbelt condition and working order	/
19	Check two-way radio	/
20	Clean inside of cab	/
21	Clean outside of vehicle	/
Comments:		

Signature: LB

HEAVY VEHICLE SERVICE SHEET

250 Hour Service

Equipment Details		Completed by:	
Unit No:	SDH 36	Name:	Connor B
Date:	25/8/22		
Engine Hrs:	230	Last Service: Next SVC	
Make:	Hilac	Hour:	500
Model:	8T	Date:	25/2/23



Refer to the Workshop Manual or your Supervisor for assistance if you are unsure of any portion of this Service Procedure.

RELIEVE ALL RESIDUAL PRESSURES IN THE AIR AND HYDRAULIC SYSTEMS

If you are unsure of the correct Tag Out Procedures DO NOT proceed with this service.

Ensure wheels are chocked before proceeding.

Description:	✓	250HR
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1	Report any damage to supervisor	✓
2	Review comments in pre-start book and discuss with Operator if available.	✓
3	Test Two-way radio	✓
4	Inspect aerial condition	✓
5	Test operation of warning horn	✓
6	Test operation of warning reverse alarm	✓
7	Test operation of washers, wipers and blades	✓
8	Test operation of cab interior light	✓
9	Test operation of all work lights and switches	✓
10	Test operation of fuel tank level indicator and cab gauge	✓
11	Test air conditioner and operation	✓
12	Inspect Centre Bearing	✓
13	Inspect spray activators for leaks	✓
14	Inspect air conditioner cab pressuriser fan, compressor, condenser, evaporator, drains.	✓
15	Park Brake Caution .. Machine will stop abruptly during this check, fasten seatbelt. Perform check in an open area. - Position vehicle facing downhill - Apply park brake fully on, release service brake - If machine moves – investigate and repair fault.	✓
16	Service Brake Check - Position machine facing downhill - Apply service brake fully on - If machine moves – investigate and repair fault - Adjust brakes as required.	
Mechanical Inspection		
17	Check wheel nut torque	✓
18	Inspect Hydraulic hoses for leaks and chaffing	✓
19	Check and clean batteries	✓

Description:			
20	Check park brake disc and pad wear		
21	Inspect steering cylinder pins and brushes for looseness and wear		
22	Inspect frame for structural defects		
23	Inspect ROPS cab, frame and arms for wear, fatigue or cracks		
24	Inspect ring feeder/pintle attachment function is normal		
25	Inspect pins and bushes		
26	Inspect attachments- Augers, Rock Breaker, Forks, Post Hole Borer		
27	Hoses and fittings		
28	Rams		
29	Arms		
30	Check tyre pressures, rim and tyre condition.		
	Position	Pressure	Tread Depth
	1		
	2		
	3		
	4		

Engine System Checks

31	Check operation of the engine air filter restriction indicator	
32	Check induction system pipe work, hoses and clamps for signs of deterioration that could cause engine dusting	
33	Check oil and fuel lines for fitment, chaffing and leaks. Ensure no fire hazards in engine bay, and leaks found must be repaired.	
34	Check coolant level, inspect cap and header tank neck for damage.	
35	Check radiator mountings and fan shroud fastening bolts, inspect radiator for blocked and damaged fins.	
36	Check cooling fan mounting, hub bearings for movement, pulley groove wear and vee belts for tension and wear.	
37	Check cooling system hoses and clamps for signs of deterioration or leaks.	
38	Check water pump tell-tale hole for sign of a leaking seal and possible blockage.	
39	Check alternator and air conditioner compressor mounting hardware/ condition and adjustment of belts and pulleys.	
40	Check engine mounting bolt fitment and condition of rubber mounts.	
41	Inspect starter motor mount bolts, solenoid and connections	
42	Inspect air filter pre-cleaning for damage	
43	Check air filter elements, replace as required. Write date and hours on filter.	
44	Inspect all exhaust covers.	
45	Inspect battery isolator for operation and condition, check connections and lead condition	
46	Inspect start isolator for operation and condition, check connections and lead condition	

Oils, Screens and Breathers

47	Change primary and secondary fuel/ water separator	
48	Check hydraulic filter restriction indicator on the filter head, change if indicator is tripped	
49	Check axle breathers for blockage, clean if required	
50	Check transmission breather for blockage, clean if required	
51	Change oil and filter	
52	Grease all driveline slip joints and U-joints	
53	Check grease line for security and leaks	
54	Hand grease drive shafts, universal joints, slip joints and support bearings. Check condition of all driveshaft's looseness	

..... WARNING DIFF AND FINAL DRIVES MAY BE UNDER PRESSURE.....

	F/DIFF	R/DIFF
55	Isolate and Tag machine as per Isolation Procedures	
WARNING: Relieve all residual pressures form oil and water systems		

[illegible]

[illegible]

Heavy Vehicle SAFETY INSPECTION

VEHICLE:	Hrtach 2AXIS 850S	ENGINE HRS:	259hrs
REGO NO:	-	KLMS:	-
UNIT NO:	SDH 36	DATE:	9/10/22
		NAME:	J. Morris

Purpose:

This inspection is to ensure all machinery is compliant to company standards and to provide a safer working environment for all personal entering this site.

Detailed Instructions:

1	Report any damage to supervisor.	✓
2	Review comments in pre- start book and discuss with Operator if available.	✓
3	Check prestart comply to site and OEM brake testing	✓
4	Check all warning buzzers and or indicators	✓
5	Check operation of all lights. including work lights, brake lights, high beam and spotlights	✓
6	Check operation of warning horn	✓
7	Check operation of wipers and blades	✓
8	Check operation of window washers	✓
9	Check operation of reverse alarm	✓
10	Check water level	✓
11	Check oil level	✓
12	Check wheels, tyres, nuts and studs / tracks	✓
13	Check tyre pressures	N/A
14	Check battery for connection. Check leads	✓
15	Check filters	✓
16	Check fire extinguisher fitment, date and charge	✓
17	Check air conditioner operation	✓
18	Check seatbelt condition and working order	✓
19	Check two-way radio	✓
20	Clean inside of cab	✓
21	Clean outside of vehicle	✓
Comments:		

Signature: _____

J. Morris

Heavy Vehicle SAFETY INSPECTION

VEHICLE:	Hitachi Digger	ENGINE HRS:	
REGO NO:		KLMS:	
UNIT NO:	SDH 36	DATE:	29/2/24
		NAME:	Richy Laidlaw

Purpose:

This inspection is to ensure all machinery is compliant to company standards and to provide a safer working environment for all personal entering this site.

Detailed Instructions:

1	Report any damage to supervisor.	✓
2	Review comments in pre- start book and discuss with Operator if available.	✓
3	Check prestart comply to site and OEM brake testing	✓
4	Check all warning buzzers and or indicators	✓
5	Check operation of all lights. including work lights, brake lights, high beam and spotlights	✓
6	Check operation of warning horn	✓
7	Check operation of wipers and blades	✓
8	Check operation of window washers	✓
9	Check operation of reverse alarm	✓
10	Check water level	✓
11	Check oil level	✓
12	Check wheels, tyres, nuts and studs / tracks	✓
13	Check tyre pressures	N/A
14	Check battery for connection. Check leads	✓
15	Check filters	✓
16	Check fire extinguisher fitment, date and charge	✓
17	Check air conditioner operation	✓
18	Check seatbelt condition and working order	✓
19	Check two-way radio	✓
20	Clean inside of cab	✓
21	Clean outside of vehicle	✓
Comments:		

Signature: _____



HEAVY VEHICLE SERVICE SHEET

Equipment Details	
Unit No:	SDH36
Date:	31.1.25
Engine Hrs:	847
Make:	HITACHI
Model:	ZX85USB

Oils Added	
Eng:	✓
F/Diff:	
Tran:	
Hyd:	R/Diff
Next Service Due	
Hours	1000

Completed by:	
Name:	LOUIE / BRAD.
Last Service	
Hours:	504
Date :	20.3.24.

250 Hour	500 Hour	750 Hour	1000 Hour
		✓	



Refer to the Workshop Manual or your Supervisor for assistance if you are unsure of any portion of this Service Procedure.

RELIEVE ALL RESIDUAL PRESSURES IN THE AIR AND HYDRAULIC SYSTEMS.

If you are unsure of the correct Tag Out Procedures DO NOT proceed with this service.

Ensure wheels are chocked before proceeding.

Description:	✓	250HR	500HR	750HR	1000HR
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1	Report any damage to supervisor			✓	
2	Review comments in pre-start book and discuss with Operator if available.			✓	
3	Test Two-way radio			✓	
4	Inspect aerial condition			✓	
5	Test operation of warning horn			✓	
6	Test operation of warning reverse alarm			✓	
7	Test operation of washers, wipers and blades			✓	
9	Test operation of cab interior light			✓	
11	Test operation of all work lights and switches			✓	
12	Test operation of fuel tank level indicator and cab gauge			✓	
13	Test air conditioner and operation			✓	
14	Inspect air conditioner cab pressuriser fan, compressor, condenser, evaporator, drains.			✓	
15	Park Brake Caution .. Machine will stop abruptly during this check, fasten seatbelt. Perform check in an open area. - Position vehicle facing downhill - Apply park brake fully on, release service brake - If machine moves – investigate and repair fault.			N/A	
16	Service Brake Check - Position machine facing downhill - Apply service brake fully on - If machine moves – investigate and repair fault - Adjust brakes as required.			N/A	

Description:				✓	250HR	500HR	750HR	1000HR
Mechanical Inspection								
17	Check wheel nut torque						✓	
18	Inspect Hydraulic hoses for leaks and chaffing						✓	
19	Check park brake disc and pad wear						✓	
20	Check and clean batteries						✓	
21	Inspect steering cylinder pins and bushes for looseness and wear						✓	
22	Inspect frame for structural defects						✓	
23	Inspect ROPS cab, frame and arms for wear, fatigue or cracks						✓	
24	Inspect GET – teeth and cutting edges						✓	
25	Inspect quick hitch attachment function is normal						✓	
26	Inspect pins and bushes						✓	
27	Inspect attachments – Augers, Rock Breaker, Forks, Post hole borer						✓	
28	Hoses and fittings						✓	
29	Rams						✓	
30	Arms						✓	
31	Check tyre pressures, rim and tyre condition.						✓	
	Position	Pressure	Tread Depth					
	1							
	2							
	3							
	4							

Engine System Checks					
32	Check operation of the engine air filter restriction indicator			✓	
33	Check induction system pipe work, hoses and clamps for signs of deterioration that could cause engine dusting			✓	
34	Check oil and fuel lines for fitment, chaffing and leaks. Ensure no fire hazards in engine bay, and leaks found must be repaired.			✓	
35	Check coolant level, inspect cap and header tank neck for damage.			✓	
36	Check radiator mountings and fan shroud fastening bolts, inspect radiator for blocked and damaged fins.			✓	
37	Check cooling fan mounting, hub bearings for movement, pulley groove wear and vee belts for tension and wear.			✓	
38	Check cooling system hoses and clamps for signs of deterioration or leaks.			✓	
39	Check water pump tell-tale hole for sign of a leaking seal and possible blockage.			✓	
40	Check alternator and air conditioner compressor mounting hardware/ condition and adjustment of belts and pulleys.			✓	
41	Check engine mounting bolt fitment and condition of rubber mounts.			✓	
42	Inspect starter motor mount bolts, solenoid and connections			✓	
43	Inspect air filter pre-cleaning for damage			✓	
44	Check air filter elements, replace as required. Write date and hours on filter.			✓	
45	Inspect all exhaust covers.			✓	
46	Inspect battery isolator for operation and condition, check connections and lead condition			✓	
47	Inspect start isolator for operation and condition, check connections and lead condition			✓	
48	Check and adjust valve clearance				
Oils, Screens and Breathers					
49	Change primary and secondary fuel/ water separator			✓	
50	Check hydraulic filter restriction indicator on the filter head, change if indicator is tripped			✓	
51	Change hydraulic oil and return filters			✓	
52	Change hydraulic suction screens			✓	

Description		✓	250HR	500HR	750HR	1000HR
53	Check axle breathers for blockage, clean if required				✓	
54	Check transmission breather for blockage, clean if required				✓	
55	Change oil and filter				✓	
56	Grease all driveline slip joints and U-joints				✓	
57	Check grease line for security and leaks				✓	
58	Hand grease drive shafts, universal joints, slip joints and support bearings. Check condition of all driveshaft's looseness				✓	
59	Change hydraulic tank breather				✓	
60	Change transfer case oil and filters				✓	
61	Change transmission oil and filters				✓	
Magnetic Plug Inspections (Final Drives)		P1	P2	P3	P4	
62	Inspect for metal particles on mag plugs, record results					
63	Change all final drive oils					
..... WARNING DIFF AND FINAL DRIVES MAY BE UNDER PRESSURE.....						
F/DIFF		R/DIFF				
64	Inspect for metal particle, inspect o-ring then thoroughly clean at filtered parts washer prior to refitting.					
65	Sample and change front and rear differential oils.					
66	Ensure machine is on level ground then engage park brake					
67						
68	Isolate and Tag machine as per Isolation Procedures					
WARNING: Relieve all residual pressures form oil and water systems						
	Take SOS Sample from:	Oil Used	Changed	Litres	Litres	Litres
69	Engine	15W-90 CARGO	✓	12.		
70	Transmission					
71	Transfer Case					
72	Differentials					
73	Final Drives					
Record hours, date, machine number and compartment on SOS bottle and a Y or N if oil was or was not changed						
74	Inspect all warning sensors and cable condition				✓	
75	Check fire extinguishers fitment, date and charge				✓	
76	Check access step, handrail, compartment panels, and doors for damage, wear, alignment and security				✓	
77	Check rear and front frame for cracks				✓	
78	Check FOPS cab protection for cracks, damage and bolt fitment				✓	
79	Clean/ replace cab air filters				✓	
80	Fill window washer reservoir				✓	
81	Check safety labels are clean and legible				✓	
82	Check window glass for damage, fitting and support locking rubbers and Emergency window escape lock ring pulls				✓	
83	Check condition of door rubbers for deterioration				✓	
84	Check operator's seat and seat belt				✓	
85	Clean cab of all debris, rags and rubbish				✓	
86	Check instrument panel for dislodged or loose components, tripped circuit breakers, panels and gauge lighting, loose wiring and corrosion of terminals and wiring				✓	
87	All splash guards, covers and belly plates must be correctly refitted before the machine returns to work				✓	
88	Walk around and climb over equipment looking for foreign materials. EG: rags, tools, blocks, chains ect				✓	
89	Remove personal Danger Tag, sound horn, start equipment				✓	
90	Test all movements and stall test hydraulic circuits then stop machine and check for leaks				✓	
91	Wash out radiator and oil cooler and report any damage				✓	

92	Wash machine at completion of service to remove any oil residue from service				
93	Check that all tags and locks have been removed				
94	Test run equipment using all functions for 5-10 minutes to ensure there are no • Leaks • Vibrations • Alarms coming on • All functions are operating correctly				

[illegible]

Signature:	Date:
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Heavy Vehicle SAFETY INSPECTION

VEHICLE:	Hitachi 8T	ENGINE HRS:	261
REGO NO:		KLMS:	
UNIT NO:	SDH 36	DATE:	17/10/22
		NAME:	Richy La'edke

Purpose:

This inspection is to ensure all machinery is compliant to company standards and to provide a safer working environment for all personal entering this site.

Detailed Instructions:

1	Report any damage to supervisor.	☒
2	Review comments in pre- start book and discuss with Operator if available.	☒
3	Check prestart comply to site and OEM brake testing	☒
4	Check all warning buzzers and or indicators	☒
5	Check operation of all lights. including work lights, brake lights, high beam and spotlights	☒
6	Check operation of warning horn	☒
7	Check operation of wipers and blades	☒
8	Check operation of window washers	☒
9	Check operation of reverse alarm	☒
10	Check water level	☒
11	Check oil level	☒
12	Check wheels, tyres, nuts and studs / tracks	☒
13	Check tyre pressures	☒
14	Check battery for connection. Check leads	☒
15	Check filters	☒
16	Check fire extinguisher fitment, date and charge	☒
17	Check air conditioner operation	☒
18	Check seatbelt condition and working order	☒
19	Check two-way radio	☒
20	Clean inside of cab	☒
21	Clean outside of vehicle	☒
Comments:		

Signature: 

HEAVY VEHICLE SERVICE AND SAFETY INSPECTION CHECK

Equipment Details	
Unit No:	SPH36
Vehicle	Hitachi
Date:	20/3/24
Engine Hrs:	504.5
KLM	14/1

Oils Added	
Eng:	
Tran:	
Hyd:	
F/Diff:	
R/Diff:	

Completed by:			
Name:	Richy .L	Initial:	R.L
Name:		Initial:	L.B
Name:	Louise	Initial:	
Name:		Initial:	
Name:		Initial:	

PROCEDURE	Item Completed
10,000 KLM OR 400 HOURS SERVICE	
SAFETY INSPECTION CHECK - MONTHLY	



Refer to the Workshop Manual or your Supervisor for assistance if you are unsure of any portion of this Service Procedure.

RELIEVE ALL RESIDUAL PRESSURES IN THE AIR AND HYDRAULIC SYSTEMS.

If you are unsure of the correct Tag Out Procedures DO NOT proceed with this service.

Report to your Supervisor for assistance.

Item	Description:	v	Comment:
1	Report any damage to supervisor	/	
2	Review comments in pre-start book and discuss with Operator if available.	/	
3	Test Two Way radio	/	
4	Inspect aerial condition	/	
5	Test operation of warning horn	/	
6	Test operation of warning reverse alarm	/	
7	Test operation of wipers and blades	/	
8	Test operation of window washers and switches	/	
9	Test operation of cab interior light	/	
10	Test Ignition switch operation, inspect condition	/	
11	Test operation of all work lights and switches	/	
12	Test operation of fuel tank level indicator and cab gauge	/	
13	Test air conditioner and operation	/	
14	Inspect air conditioner cab pressuriser fan, compressor, condenser, evaporator, drains.	/	
15	BRAKE CHECKS	/	
16	The following procedure is for a PARK BRAKE CHECK CAUTION....MACHINE WILL STOP ABRUPTLY DURING THIS CHECK, FASTEN SEAT BELT. PERFORM CHECK IN AN OPEN AREA. Check air pressure is full. Position Vehicle facing downhill if possible Apply Park Brake fully on, select second gear, release service brake Vehicle should not drive through park brake If Vehicle Moves – Investigate and Repair Fault	/	
17	Service Brake Check Use a suitable level area with a hard level surface that is free from gravel or loose material and is at least 350 metres in length for testing of heavy vehicles. Drive the vehicle to 35km/h then put the transmission into neutral; automatic transmission vehicles may remain in gear. Bring the vehicle to a halt as rapidly as possible in a safe manner with one sustained and smooth application of the service brakes. If vehicle veers from a straight path, investigate and rectify.	/	

Item	Description	✓	Comment
Engine Systems			
39	Check operation of the engine air filter restriction indicator	✓	
40	Check induction system pipe work, hoses and clamps for signs of deterioration that could cause engine dusting	✓	
41	Check oil and fuel lines for fitment, chaffing and leaks. Ensure no fire hazards in engine bay, and leaks found must be repaired.	✓	
42	Check coolant level, inspect cap and header tank neck for damage.	✓	
43	Check radiator mountings and fan shroud fastening bolts, inspect radiator for blocked and damaged fins.	✓	
44	Check cooling fan mounting, hub bearings for movement, pulley groove wear and vee belts for tension and wear.	✓	
45	Check cooling system hoses and clamps for signs of deterioration or leaks.	✓	
46	Check water pump tell-tale hole for sign of a leaking seal and possible blockage.	✓	
47	Check alternator and air conditioner compressor mounting hardware/ condition and adjustment of belts and pulleys.	✓	
48	Check engine mounting bolt fitment and condition of rubber mounts.	✓	
49	Check and adjust valve clearance	P	
50	Inspect air filter pre-cleaning for damage	✓	
51	Check air filter elements, replace as required. Write date and hours on filter.	✓	
52	Inspect all exhaust covers.	✓	
Oils, Screens and Breathers			
53	Change primary and secondary fuel filter/ water separator	✓	
54	Change hydraulic oil and return filters	✓	
55	Cut engine oil filter open, squeeze filter material in vice to remove excess oil and examine. (Report findings)	✓	
56	Check hydraulic filter restriction indicator on the filter head, change if indicator is tripped	✓	
57	Check axle breathers for blockage, clean if required	N/A	
58	Change hydraulic tank breather	✓	
59	Check transmission breather for blockage, clean if required	✓	
60	Change transmission oil and filters	N/A	
61	Change air dryer filter	N/A	
Greasing / Lubrication			
62	Full grease of machine	✓	
63	Check grease line for security and leaks	✓	
64	Hand grease drive shafts, universal joints, slip joints and support bearings. Check condition of all driveshaft's looseness	N/A	

Item	Description	✓	Comment
Equipment General			
65	Inspect battery isolator for operation and condition, check connections and lead condition	✓	
66	Inspect start isolator for operation and condition, check connections and lead condition	✓	
67	Inspect starter motor mount bolts, solenoid and connections	✓	
68	Inspect all warning sensors and cable condition	✓	
69	Check full air pressure	N/A	
70	Drain air tanks	N/A	
71	Check fire extinguishers fitment, date and charge	✓	
72	Check access step, hand rail, compartment panels, and doors for damage, wear, alignment and security	✓	
73	Check rear and front frame for cracks	✓	
74	Check FOPS cab protection for cracks, damage and bolt fitment	✓	
Cabin			
75	Clean/ replace cab air filters	✓	
76	Fill window washer reservoir	✓	
77	Check safety labels are clean and legible	✓	
78	Check window glass for damage, fitting and support locking rubbers and Emergency window escape lock ring pulls	✓	
79	Check condition of door rubbers for deterioration	✓	
80	Check operators seat and seat belt	✓	
81	Clean cab of all debris, rags and rubbish	✓	
82	Check instrument panel for dislodged or loose components, tripped circuit breakers, panels and gauge lighting, loose wiring and corrosion of terminals and wiring	✓	
Tradesperson Pre- Hand Over Inspection			
83	All splash guards, covers and belly plates must be correctly refitted before the machine returns to work	✓	
84	Walk around and climb over equipment looking for foreign materials. EG: rags, tools, blocks, chains ect	✓	
85	Remove personal Danger Tag, sound horn, start equipment	✓	
86	Check engine, Transmission, Hydraulic oil levels (Document oils added on header sheet)	✓	
87	Test all movements and stall test hydraulic circuits then stop machine and check for leaks	✓	
88	Wash out radiator and oil cooler and report any damage	✓	
89	Wash machine at completion of service to remove any oil residue from service	✓	
Test Run Procedure			
90	Test run equipment using all functions for 5-10 minutes to ensure there are no - Leaks - Vibrations - Alarms coming on - All functions are operating correctly	✓	
91	Supervisor to review results of equipment testing	✓	

Pre-Hand over inspection

92	Visually check equipment looking for foreign materials; eg: rags, tools, blocks, chains ect (Special attention to be paid to engine compartment)	/
93	Ensure all guards are fitted securely	/
94	Inspect for any signs of oil leaks and excessive grease	/
95	Check cleanliness inside cabin; eg: rags, debris ect	/
96	Check that all tags and locks have been removed	/

Service carried out by:

Name: <i>Richy Laidlow</i>	Date: <i>20/3/24</i>
Signature: <i>[Signature]</i>	
Name:	Date:
Signature:	
Name:	Date:
Signature:	

Item	Fault Description / Recommended Action

Part#	Part Description	QTY	Defect requiring part	Work order

Part Requested by:**Parts Ordered by:**

Use these symbols on check sheet

✓	Done & OK	X	Check not done	R	Repair done	P	Plan next service or raise new job
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HEAVY VEHICLE SERVICE SHEET

Equipment Details	
Unit No:	SDH 36
Date:	6-3-25
Engine Hrs:	1016
Make:	Hitachi
Model:	

Oils Added	
Eng:	16
F/Diff:	
Tran:	
Hyd:	
R/Diff	
Next Service Due	
Hours	1266

Completed by:	
Name:	Brad
Last Service	
Hours:	
Date :	

250 Hour	500 Hour	750 Hour	1000 Hour



Refer to the Workshop Manual or your Supervisor for assistance if you are unsure of any portion of this Service Procedure.
RELIEVE ALL RESIDUAL PRESSURES IN THE AIR AND HYDRAULIC SYSTEMS.

If you are unsure of the correct Tag Out Procedures DO NOT proceed with this service.

Ensure wheels are chocked before proceeding.

Description:	✓	250HR	500HR	750HR	1000HR
1 Report any damage to supervisor	✓				✓
2 Review comments in pre-start book and discuss with Operator if available.	✓				✓
3 Test Two-way radio					✓
4 Inspect aerial condition					✓
5 Test operation of warning horn					✓
6 Test operation of warning reverse alarm					✓
7 Test operation of washers, wipers and blades					✓
9 Test operation of cab interior light					✓
11 Test operation of all work lights and switches					✓
12 Test operation of fuel tank level indicator and cab gauge					✓
13 Test air conditioner and operation					✓
14 Inspect air conditioner cab pressuriser fan, compressor, condenser, evaporator, drains.					✓
15 Park Brake Caution .. Machine will stop abruptly during this check, fasten seatbelt. Perform check in an open area. - Position vehicle facing downhill - Apply park brake fully on, release service brake - If machine moves – investigate and repair fault.					✓
16 Service Brake Check - Position machine facing downhill - Apply service brake fully on - If machine moves – investigate and repair fault - Adjust brakes as required.					✓

Description:				✓	250HR	500HR	750HR	1000HR
Mechanical Inspection								
17	Check wheel nut torque							✓
18	Inspect Hydraulic hoses for leaks and chaffing							✓
19	Check park brake disc and pad wear							
20	Check and clean batteries							✓
21	Inspect steering cylinder pins and bushes for looseness and wear							
22	Inspect frame for structural defects							✓
23	Inspect ROPS cab, frame and arms for wear, fatigue or cracks							✓
24	Inspect GET – teeth and cutting edges							✓
25	Inspect quick hitch attachment function is normal							✓
26	Inspect pins and bushes							
27	Inspect attachments – Augers, Rock Breaker, Forks, Post hole borer							✓
28	Hoses and fittings							✓
29	Rams							✓
30	Arms							
31	Check tyre pressures, rim and tyre condition.							
	Position	Pressure	Tread Depth					
	1							
	2							
	3							
	4							

Engine System Checks				
32	Check operation of the engine air filter restriction indicator			✓
33	Check induction system pipe work, hoses and clamps for signs of deterioration that could cause engine dusting			✓
34	Check oil and fuel lines for fitment, chaffing and leaks. Ensure no fire hazards in engine bay, and leaks found must be repaired.			✓
35	Check coolant level, inspect cap and header tank neck for damage.			✓
36	Check radiator mountings and fan shroud fastening bolts, inspect radiator for blocked and damaged fins.			✓
37	Check cooling fan mounting, hub bearings for movement, pulley groove wear and vee belts for tension and wear.			✓
38	Check cooling system hoses and clamps for signs of deterioration or leaks.			✓
39	Check water pump tell-tale hole for sign of a leaking seal and possible blockage.			✓
40	Check alternator and air conditioner compressor mounting hardware/ condition and adjustment of belts and pulleys.			✓
41	Check engine mounting bolt fitment and condition of rubber mounts.			✓
42	Inspect starter motor mount bolts, solenoid and connections			✓
43	Inspect air filter pre-cleaning for damage			✓
44	Check air filter elements, replace as required. Write date and hours on filter.			✓
45	Inspect all exhaust covers.			✓
46	Inspect battery isolator for operation and condition, check connections and lead condition			✓
47	Inspect start isolator for operation and condition, check connections and lead condition			✓
48	Check and adjust valve clearance			✓
Oils, Screens and Breathers				
49	Change primary and secondary fuel/ water separator			✓
50	Check hydraulic filter restriction indicator on the filter head, change if indicator is tripped			✓
51	Change hydraulic oil and return filters			✓
52	Change hydraulic suction screens			✓

Description		✓	250HR	500HR	750HR	1000HR
53	Check axle breathers for blockage, clean if required					
54	Check transmission breather for blockage, clean if required					
55	Change oil and filter					✓
56	Grease all driveline slip joints and U-joints					✓
57	Check grease line for security and leaks					✓
58	Hand grease drive shafts, universal joints, slip joints and support bearings. Check condition of all driveshaft's looseness					✓
59	Change hydraulic tank breather					✓
60	Change transfer case oil and filters					
61	Change transmission oil and filters					
Magnetic Plug Inspections (Final Drives)		P1	P2	P3	P4	
62	Inspect for metal particles on mag plugs, record results					
63	Change all final drive oils					
..... WARNING DIFF AND FINAL DRIVES MAY BE UNDER PRESSURE.....						
F/DIFF		R/DIFF				
64	Inspect for metal particle, inspect o-ring then thoroughly clean at filtered parts washer prior to refitting.					
65	Sample and change front and rear differential oils.					
66	Ensure machine is on level ground then engage park brake					
67						
68	Isolate and Tag machine as per Isolation Procedures					
WARNING: Relieve all residual pressures form oil and water systems						
	Take SOS Sample from:	Oil Used	Changed	Litres	Litres	Litres
69	Engine	Titan Cargo 15W-40	✓	16L		
70	Transmission					
71	Transfer Case					
72	Differentials					
73	Final Drives					
Record hours, date, machine number and compartment on SOS bottle and a Y or N if oil was or was not changed						
74	Inspect all warning sensors and cable condition					✓
75	Check fire extinguishers fitment, date and charge					✓
76	Check access step, handrail, compartment panels, and doors for damage, wear, alignment and security					✓
77	Check rear and front frame for cracks					✓
78	Check FOPS cab protection for cracks, damage and bolt fitment					✓
79	Clean/ <u>replace</u> cab air filters					✓
80	Fill window washer reservoir					✓
81	Check safety labels are clean and legible					✓
82	Check window glass for damage, fitting and support locking rubbers and Emergency window escape lock ring pulls					✓
83	Check condition of door rubbers for deterioration					✓
84	Check operator's seat and seat belt					✓
85	Clean cab of all debris, rags and rubbish					✓
86	Check instrument panel for dislodged or loose components, tripped circuit breakers, panels and gauge lighting, loose wiring and corrosion of terminals and wiring					✓
87	All splash guards, covers and belly plates must be correctly refitted before the machine returns to work					✓
88	Walk around and climb over equipment looking for foreign materials. EG: rags, tools, blocks, chains ect					✓
89	Remove personal Danger Tag, sound horn, start equipment					✓
90	Test all movements and stall test hydraulic circuits then stop machine and check for leaks					✓
91	Wash out radiator and oil cooler and report any damage					✓

92	Wash machine at completion of service to remove any oil residue from service				✓
93	Check that all tags and locks have been removed				✓
94	Test run equipment using all functions for 5-10 minutes to ensure there are no - Leaks - Vibrations - Alarms coming on - All functions are operating correctly				✓

Fault Description / Recommended Action

Front window smashed

Part Description	QTY	Defect requiring part	Work order
Test Oil			

Comments

oil + Grease + Hydraulic + Air can all changed
Hydraulic fluid + Engine oil changed greased machine
drain oil on boom
changed all hydraulic return filters + case drainers

Signature: *[Signature]* Date: 6-3-25

Use these symbols on check sheet	✓	Done & OK	X	Check not done	R	Repair done	P	Plan next service or raise new job
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