

INTERNAL KEEGROUP USE ONLY

Job Sheet

Site Address:

Sta
0419 705354

Acct Name:

Site Contact:

Site Phone No:

Job Header: Carry out 500hr service

Customer Notes:

Job Number 2050050169

Job Date 27/05/2025

Order No.

Technician: LARRY

☐ Warranty

☐ Repair/Recharge

☐ Service

☐ Backlog

Certificate No:

On Hire Date:

OFF Hire Date:

Start Time: _____

Finish Time: _____

Work Required :

REMINDER:

List attachments sent

Job Item	Rego #	Item Description	Test Code	Last Meter	Current Meter
K0467	1GKY813	Caterpillar 966M Wheel Loader		15,420.00	15496

Product Code	Description	Quantity	Sell Price	Total Sell Price
CATAMAC 500	CATAMAC 500HR SERVICE KIT	1.00	0.00	0.00

[illegible]

Manager: _____ Date: __/__/__ Technician: LARRY



Unit No:

K467

Site:

Kauwicks

PM Service & Inspection - Caterpillar 966M Loader

Clean unit before carry out PM SERVICE
Make sure the Unit Backlog file should be attached on this sheet.

☒**DOWN TIME INFORMATION**

Date equipment down _____ Time : _____

Date equipment up _____ Time : _____

Date _____

Supervisor _____

Service Meter Reading (SMR)

15496

Hrs.

Signature _____

ITEM	PART NUMBER	PART NUMBER	DESCRIPTION	SERVICE TYPE / QUANTITY			
	Filter	Seal/O-ring		250	500	1000	2000
1	1R-1808	LF691A, P551808, B7299	Engine Oil	1	1	1	1
2	438-5386	FS20131, P501108	Fuel Filter Primary	1	1	1	1
3	308-9679	FF5319, P551311 BF7587	Fuel Filter Secondary	2	2	2	2
4	577-1435	P635779	Primary - Air	1	1	1	1
5	331-8108	P638607	Secondary - Air	1	1	1	1
6	436-3443		Hydraulic Filter	1	1	1	1
7	376-1288		Hydraulic Return Filter	1	1	1	1
8	5K-1787		Hydraulic Return Filter Seal O-Ring	1	1	1	1
9	337-5270		Transmission Filter		1	1	1
11	357-7399		Fuel Tank Cap				1
12	346-8340		Hydraulic Breather				1
13	290-2288		AC Filter			1	1
14	578-1844		Cab Air Filter			1	1
15			Cat SOS Bottles	1	6	6	6
			Total Items	1	14	18	20
1	Cat DEO-ULS 15W-40	Engine Oil	Refill Capacity	24.5 Litres			
2	Cat TDTO SAE 10W	Hydraulic Tank	Refill Capacity	214 Litres			
3	Cat SATO SAE10W-30	Transmission	Refill Capacity	58.5 Litres			
4	Cat TDTO SAE 50W	Axles Front / Rear	Refill Capacity	57 Litres			
5	Cat ELC	Cooling System	Refill Capacity	72 Litres			
6	Diesel	Fuel Tank	Refill Capacity	320 Ltrs			

I	PRE STOP CHECK
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TASK	TYPE OF SERVICE			
INITIAL EACH COMPLETED CHECK	250	500	1000	2000
1 Check pre start book for completion and listed faults		✓		
2 Check operation of monitor panel lights, guages and buzzer		✓		
3 Check accumulator: raise boom fully, stop engine, lower loader arm to ground.		✓		
4 Check for excessive play & wear in loader arm pins / bushes and joints.		✓		
5 Check for excessive play & wear in bucket pins / bushes and joints.		✓		
6 Check for excessive wear in steering pins and bushes		✓		
7 Check for excessive wear in the centre hitch pins and bearings		✓		
8 Inspect hydraulic rods in the extended position for scratches or damage.		✓		

II	SAFETY
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9 Isolate and park machine on a level surface and place wheel chocks behind front / rear tyres		✓		
10 Lower the works equipment to the ground		✓		
11 Stop the engine and allow cool down		✓		
12 Isolate machine and fit "Personal & Out of Service Tag"		✓		

"CAUTION"

" Fuel/Oil leaked or spilled onto hot surfaces or electrical components can cause a FIRE. Clean up fuel spills Immediately"
The Person who drains the Oil is Responsible for Refilling the Compartment
OILS AND LIQUIDS IN ALL COMPARTMENTS MAYBE HOT AND CAUSE SERIOUS INJURY
TAKE CARE WHEN DRAINING ANY COMPARTMENT
* CONSULT MAINTENANCE GUIDE FOR LUBE POINTS and PROCEDURES

III

SERVICE & LUBRICATION (PM CLINIC)

SERVICE and LUBRICATION

		250	500	1000	2000
13 Record Hour Meter Reading	SMR				
Engine					
14 Clean the air filter service cap and dust extraction valve			✓		
15 Replace the primary air filter element		As Req.	✓		
16 Replace secondary air filter element					
17 Check coolant level and "Do not Open Rad Cap" if engine is hot			✓		
18 Take SOS Sample - Engine coolant, replace every 4000 HRS			✓		
19 Wash radiator and hydraulic coolers / intercooler / AC condensor			✓		
20 Check coolant sub tank level			✓		
21 Lubricate fan and jockey pulley bearing if req. (by Hand grease pump only)			✓		
22 Clean/replace engine crankcase breathers			✓		
23 Take SOS Sample - engine oil			✓		Replace
24 Change oil - engine and check level			✓		
25 Change filter - engine oil			✓		
Fuel System					
26 Change filter - primary fuel (fuel-water separator)			✓		
27 Change filter - secondary fuel			✓		
28 Drain off condensate and sediment from fuel tank			✓		
29 Clean strainer			✓		
30 Replace fuel tank cap					
Transmission					
31 Check oil level - Transmission			✓		
32 Take SOS Sample - Transmission			✓		
33 Change oil - Transmission					
34 Change filter - Transmission					
Hydraulic System					
35 Check oil level - Hydraulic			✓		
36 Take SOS Sample - hydraulic oil			✓		
37 Change filter - Hydraulic pressure (to cooler)			✓		
38 Change filter - Hydraulic return			✓		
39 Clean/replace Hydraulic tank breather			✓		
40 Replace worn hoses as required			Clean	Clean	Replace
41 Change hydraulic oil as per SOS results or every 3000 hours		As Req.	As Req.	As Req.	As Req.
					3000 hrs

Brake system

42	Check the service brake and parking brake record results in RPM hold				
43	Change filter - Brake cooling				

Differential / Final drives

44	Take SOS Sample - Differential / Final drives				
45	Check oil level - Differential final drives				
46	Change oil - Differential final drives				
47	Inspect magnetic plugs				

Lubrication System

48	Check the lubrication system grease reservoir level				
49	Check the pipes, hoses and lubrication points of the lubrication system				
50	Check bucket lower pivot bearings				
51	Check axle oscillation bearings				
52	Check bucket linkage and loader cylinder bearings				
53	Check bucket upper pivot bearings				
54	Check steering cylinder bearings				
55	Lubricate drive shaft support bearing				
56	Lubricate drive shaft spline (centre)				
57	Lubricate drive shaft universal joints				
58	Lubricate hood tilt actuator				
59	Lubricate articulation bearings				
60	Lubricate steering column spline				

Lift arms and quick change device if applicable

61	Lubricate the lift arms and attachment				
62	Check the bucket bearing seals and bearing bushings on the lift arms				
63	Check the lift arms and bucket stops				
64	Lubricate and test the quick change device				

Cab heating and air conditioning

65	Lubricate ALL doors hinges				
66	Check/replace the fresh air filter				
67	Check/replace the AC air filter				

IV**MECHANICAL CHECK AND INSPECTIONS****1. Cabin**

68	Check operator access-step / hand holds		✓		
69	Check door latches and window catches.		✓		
70	Check operator seat belt replace at 6000 hrs		✓		
71	Check operator seat and adjustment control		✓		
72	Check operation and condition of windscreen wipers and blades		✓		
73	Check for any oil / fluid leaks onto / into cabin		✓		
74	Check the ROPS and platform for cracks, damage and loose bolts.		✓		

Air Conditioning

75	Check air conditioner and record vent temp		✓		
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Lamps, Horn, Back-up Alarm, Battery and Fuses/CB

76	Check isolators, fuses and circuit breakers		✓		
77	Check cab lights, warning lights, horn, back-up alarm and reverse camera		✓		
78	Check all lights		✓		
79	Check condition of batteries, cables and hold down clamps		✓		

Others

80	Check pressure gauge fire extinguisher (AFFF) record tag date	7/25	✓		
81	Check fire extinguisher bracket for loose bolts or cracks		✓		
82	Check all warning decals are in place		✓		

2. Engine Area**Engine**

83	Check engine oil pressure refer manual record result				
84	Check engine boost pressure refer manual record result				
85	Check and set engine valve clearance every 2500 hours				2500 hrs
86	Check vibration damper for cracks or peeling in the outside surface of the rubber				
87	Check air intake lines are complete without damage or cracks		✓		
88	Check condition of cooling fan		✓		
89	Check condition and tension of all engine belts		✓		
90	Check engine emergency stop and test function		✓		
91	Check fan hub and jockey pulley bearings		✓		
92	Check fan guard is in place and secure		✓		
93	Check for oil leaks into engine area		✓		
94	Check exhaust system for leaks / cracks / broken all loose bolts		✓		
95	Check sensors and cable connections		✓		
96	Check ALL turbocharger pipes and clamps for tightness		✓		
97	Check ALL engine wiring harnesses are free from rubbing "P" clamps ETC		✓		
98	Check alternator cables / starter motor cables / mounting bolts and brackets.		✓		

Fuel System

99	Check fuel pressure refer to manual record result				
100	Check high / low idle refer to manual record result				
101	Check fuel lines for leaks / missing clamps		✓		
102	Check fuel tank breather		✓		
103	Check fuel tank mounts		✓		

Radiator

104	Check water pump and tell tale hole for leaks. Replace Thermostats every 3000 hrs		✓		3000 hrs
105	Check ALL water hose condition and clamps		✓		
106	Check condition of water lines and radiator core clean if required		✓		
107	Check radiator mounting		✓		

3. Hydraulic System

108	Check hydraulic main pressure refer manual record result				
109	Check cycle time lift arms raise / lower refer manual record result				
110	Check cycle time bucket roll in / roll out refer manual record result				
111	Check ride control accumulator				
112	Check suction line clamps of hydraulic pump for tightness		✓		
113	Check hydraulic cylinder for damage or loose bolts.		✓		
114	Inspect ALL hydraulic hoses / tubes for damage		✓		
115	Check hydraulic control valves for loose bolts and cracked bracket.		✓		
116	Check steering for correct operation and test emergency function		✓		
117	Check steering cylinder pins and bushes for wear		✓		

Brake system

118	Check brake accumulator function (refer operation manual)		✓		
119	Check park brake disc wear (refer operation manual)		✓		
120	Check service brake wear indicator		✓		

Axles and tyres

121	Check wheel nuts		✓		
122	Check mounting bolts and clamps		✓		
123	Check all tyre pressures refer inflation chart		✓		

4. Frame

Frame.

124	Check bucket for cracks / pin bush movement and GET condition		✓		
125	Check the loader arm for damage / cracks		✓		
126	Check frame for signs of leaks / damage or cracks		✓		
127	Check for excessive wear in the centre hitch pins, bearings and bushes		✓		
128	Check ALL machine frame mounting bolts (ENGINE HOUSE / HYDRAULIC TANK ETC)		✓		
129	Check counter weight / Fuel tank / Hydraulic tank for damage / leaks or Loose Bolts		✓		

Quick connect fittings if applicable

130	Inspect for damage, wear, and connection				
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VI	COMPLETION
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131 Check ALL compartment oil Levels " BEFORE STARTING THE MACHINE"		✓		
132 Test drive and check for unusual noises		✓		
133 Remove "Personal & Out of Service Tag"		✓		

Task Special Instruction..

PLEASE Report any DEFECTS or unusual findings to Leading Hand or workshop manager
 Lead Hand must be fill in the DEFECT Report if any.
 This document is a guide and must be used in conjunction with the manufacturers maintenance manual.

List of Serviceman or DONE BY

<u>Name of Personnel</u>	<u>Signature</u>
..... <div style="font-family: cursive; font-size: 1.2em;">L STEWART</div>

ADDITIONAL ITEMS FOR BACKLOG

ITEM	Unit ID	DESCRIPTION OF DEFECT	COMPLETED Y/N	PARTS	
				IN STOCK	LOCATION
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Signed Mechanic: _____

Signed Supervisor: _____