



Unit No:

K377

Site:

KEE PORT HEDLAND**PM Service & Inspection - Case 721F Loader****Clean unit before carry out PM SERVICE**Make sure the **Unit Backlog file** should be attached on this sheet.

*Paul Hudson***DOWN TIME INFORMATION**

Date equipment down _____ Time : _____

Date equipment up _____ Time : _____

Date

8.8.2023

Supervisor

OSW

Service Meter Reading (SMR)

7028

Hrs.

Signature

[Signature]

ITEM	PART NUMBER		DESCRIPTION	SERVICE TYPE / QUANTITY			
				250	500	1000	2000
	Case - McIntosh (Cross Ref)						
	84228488 (LF16117, P551100, B7327)		Engine Oil		1	1	1
	2992447 (AS2495)		Engine breather (Pair)			1	1
	84348882 (FS19821, P550904)		Fuel water separator		1	1	1
	84412164 (FF5790, P550880)		Fuel filter		1	1	1
	47996857 (P764729)		Transmission oil filter			1	1
	84196445 (P569212)		Hydraulic filter			1	1
	84392297 (AF4205, P608675)		Air filter outer		1	1	1
	87720899 (AF26155, P606121)		Air filter inner		1	1	1
	87712194 (AF55738, P633082)		Aircon filter		1	1	1
	84389987		Air con recirculation			1	1
			Cat SOS Bottles	1	5	5	5
			Total Items	1	11	15	15
1	15W-40	Engine Oil	Refill Capacity	28.5 Litres			
2	Tractor Trans Universal	Hydraulic Tank	Refill Capacity	134 Litres			
3	Tractor Trans Universal	Transmission case	Refill Capacity	45.4 Litres			
4	Tractor Trans Universal	Axle Front / Rear	Refill Capacity	42 Litres ea			
5	Pre mix	Cooling System	Refill Capacity	56.8 Litres			
6	Diesel	Fuel Tank	Refill Capacity	473 Litres			

ALL OILS CHANGED ONLY

I**PRE STOP CHECK**

TASK	TYPE OF SERVICE			
	250	500	1000	2000

INITIAL EACH COMPLETED CHECK

1	Check pre start book for completion and listed faults			/	
2	Check operation of monitor panel lights, gauges 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**

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			/	
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			/	4000hrs
19	Wash radiator and hydraulic coolers / intercooler / AC condensor (Every 1000Hrs)			/	
20	Replace engine crankcase breathers			/	
21	Take SOS Sample - engine oil			/	
22	Replace oil - engine and check level			/	
23	Replace filter - engine oil				
	Fuel System				
24	Replace filter - primary fuel (fuel-water separator)				
25	Replace filter - secondary fuel				
26	Clean strainer - fuel tank cap			/	
	Transmission Case				
27	Check oil level - Transmission case			/	
28	Take SOS Sample - Transmission case			/	
29	Replace oil - Transmission case			N/A	
30	Replace filter - Transmission case and clean strainer				
31	Clean transmission case breather			/	
	Hydraulic System				
32	Check oil level - Hydraulic			/	
33	Take SOS Sample - hydraulic oil			/	
34	Replace filter - Hydraulic			/	
35	Clean hydraulic tank breather			N/A	
36	Replace hydraulic oil				
	Brake system				
37	Check the service brake and parking brake operation			/	
	Axles and tyres				
38	Check oil level - Axles			/	
39	Take SOS Sample - Axles			/	
40	Replace oil - Axles			N/A	
41	Inspect magnetic plugs			/	

Lubrication System

42	Check the lubrication system grease reservoir level (if applicable)			/	
43	Check the pipes, hoses and lubrication points of the lubrication system			/	
<u>Lift arms and quick change device</u>					
44	Check the bucket bearing seals and bearing bushings on the lift arms			/	
45	Check the lift arms and bucket stops			/	
<u>Cab heating and air conditioning</u>					
46	Lubricate ALL doors hinges			/	
47	Clean/replace the fresh air and recirculated air filters			/	

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

48	Check operator access-steps and handrails			/	
49	Check door and window latches			/	
50	Check operator seat belt			/	
51	Check operator seat and adjustment controls			/	
52	Check operation and condition of windscreen wipers and blades			/	
53	Check for any oil / fluid leaks onto / into cabin			/	
54	Check the ROPS and platform for cracks, damage and loose bolts.			/	

Air Conditioning

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

56	Check isolators, fuses and circuit breakers			/	
57	Check cab lights, warning lights, horn, back-up alarm and reverse camera			/	
58	Check all lights			/	
59	Check condition of batteries, cables and hold down clamps			/	

Others

60	Check pressure gauge fire extinguisher (AFFF) record tag date			/	
61	Check fire extinguisher bracket for loose bolts or cracks			/	
62	Check all warning decals are in place			/	

2. Engine Area**Engine**

63	Check air intake lines are complete without damage or cracks			/	
64	Check and set engine valve clearance			/	
65	Check condition of cooling fan			/	
66	Check condition and tension of all engine belts			/	
67	Check engine emergency stop and test function			/	
68	Check fan hub and jockey pulley bearings			/	

69	Check fan guard is in place and secure			✓	
70	Check for oil leaks into engine area			✓	
71	Check condition and mounting of exhaust system manifold and pipes			✓	
72	Check all sensors and cable connections			✓	
73	Check condition and mounting of turbo			✓	
74	Check condition and security of engine wiring harnesses			✓	
75	Check alternator and starter motor cables and mounting			✓	
Fuel System					
76	Check high / low idle refer to manual record result				
77	Check fuel lines for leaks / missing clamps			✓	
78	Check condition of fuel pump			✓	
79	Check integrity of whole system			✓	
Radiator					
80	Check condition and mounting of cooling lines			✓	
81	Check water pump and tell tale hole for leaks			✓	
82	Check condition of radiator cores			✓	
83	Check radiator mounting			✓	
3. Hydraulic System					
84	Check cycle time lift arms raise / lower refer manual record result				
85	Check cycle time bucket roll in / roll out refer manual record result				
86	Check suction line clamps of hydraulic pump for tightness			✓	
87	Check hydraulic cylinder for damage or loose bolts.			✓	
88	Check condition of all hydraulic hoses			✓	
89	Check hydraulic control valves for loose bolts and cracked bracket.			✓	
90	Check Steering for correct operation			✓	
91	Check steering cylinder pins and bushes for wear			✓	
Brake system					
92	Check brake function (refer operation manual)			✓	
93	Check park brake function (refer operation manual)			✓	
Axles and tyres					
94	Check condition of tyres, rims and nuts			✓	
95	Check tyre pressures			✓	
96	Check mounting bolts and clamps			✓	
4. Frame					
Frame.					
97	Check bucket for cracks / pin bush movement and GET condition			✓	
98	Check the loader arm for damage / cracks			✓	
99	Check frame for signs of leaks / damage or cracks			✓	
100	Check for excessive wear in the centre hitch pins, bearings and bushes			✓	
101	Check ALL machine frame mounting bolts (ENGINE HOUSE / HYDRAULIC TANK ETC)			✓	
102	Check counter weight / Fuel tank / Hydraulic tank for damage / leaks or Loose Bolts			✓	

VI**COMPLETION**

103 Check ALL compartment oil Levels " BEFORE STARTING THE MACHINE"

104 Test drive and check for unusual noises

105 Remove "Personal & Out of Service Tag"

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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 BYName of PersonnelSignature

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ADDITIONAL ITEMS FOR BACKLOG

ITEM	Unit ID		DESCRIPTION OF DEFECT	COMPLETED Y/N	PARTS	
	Model	Case 721			IN STOCK	LOCATION
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Signed Mechanic: _____

Signed Supervisor: 