

PLANT MAINTENANCE RECORD

Asset No. **AS-435**

Last updated: 11/09/2017
Last reviewed: 11/09/2017

PURCHASE DATE 8-2-2022		DESCRIPTION Cat Excavator		REG No.	
MODEL	CAT 330	BUILT	2021		
SERIAL NO.	XN810204	China		OIL ENGINE	
ENGINE NO.	J7A18428			OIL HYDRAULICS	
VIN NO.	CAT 00330P XN810204			OIL TRANSMISSION	
				OIL DIFFERENTIAL	
				OIL FINAL DRIVE	
FILTER ENGINE				TYRE FRONT	PRESSURE
ENGINE BYPASS				TYRE REAR	PRESSURE
FILTER HYDRAULICS					
AXLE BREATHER				BATTERY	20f 9X3404
FILTER FAN					
FILTER TRANSMISSION					
FILTER AIR INNER		OUTER		SERVICE PERIOD	HOURS
FILTER FUEL					Km
FILTER FUEL SECONDARY					
WATER SEPARATOR				OTHER	
FILTER AIRCON					
FILTER CAB					
BELTS					
OTHER					



ENGINE

EQUIP NUM: AS435

SERIAL NUMBER: XNB10204

T010-56118-9001

SAMPLE SHIP TIME (days) : 5

BAYPORT PLANT HIRE PTY LTD

LOCATION: CLYDE NORTH

RECEIVED DATE: 28-Apr-26

CAT 330



No Action Required

Interp By: Hon Yin Tham

Interpreted On: 29-Apr-26

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

SAMPLE INFORMATION

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
Sampled Date	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
Sample Id	T010-56118-9001	T010-55323-0226	T010-55191-0107	T010-55150-0409
Lab Date	28-Apr-26	19-Nov-25	10-Jul-25	30-May-25
Meter [Hr]	5506	5068	4514	4331
Comp Meter [Hr]	5506	5068	4514	4331
Meter On Fluid	438	554	442	259
Fluid Brand	MOBIL	ELF	ELF	CAT
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type	DELVAC MODERN CO	PERFORMANCE 100	PERFORMANCE 100	DEO
Fluid Change	Y	Y	Y	N
Filter Change	Y	Y	Y	N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

COPPER RESULT APPEARS SLIGHTLY ELEVATED, THIS MAY BE DUE TO A CHEMICAL PROCESS KNOWN AS COPPER LEACHING WHICH CAN OCCUR ON NEW PARTS OR DUE TO CHANGES IN OIL ADDITIVES BUT IS NOT HARMFUL AND SHOULD SUBSIDE AFTER A FEW OIL CHANGES. SUGGEST CUT OPEN FILTER(S) AND INSPECT FOR DEBRIS. CHECK OPERATING TEMPERATURE. CHECK & ENSURE THIS COMPARTMENT OPERATING CORRECTLY. AS THE OIL HAS BEEN CHANGED. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. AFTER INSPECTION RESAMPLE AT THE NEXT SERVICE INTERVAL TO RE-EVALUATE CONDITION.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
VISCOSITY (CENTISTOKES) ASTM D445				
V100 Viscosity at 100 C	13.68	14.99	14.83	14.73

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
VISCOSITY (CENTISTOKES) ASTM D445				
V40 Viscosity at 40 C	98.57	117.9	115.1	114.3

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
VISCOSITY INDEX				
VI Viscosity Index	140	131	132	132

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
INFRARED (UFM) ASTM E2412				
ST Soot	14	15	15	10
OXI Oxidation	17	15	16	15
SUL Sulfate By-Product	21	20	20	19
NIT Nitration	0	0	0	8

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
WATER - HOTPLATE				
W Water	N	N	N	N

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
FUEL DILUTION (SCREEN)				
F Fuel	N	N	N	N

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
FUEL DILUTION (%) ASTM D7583				
PFc Percent Fuel	<2.0	<2	<2	<2

CLEANLINESS

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
FERROUS DEBRIS				
PQI PQ Index	1	1	0	0

WEAR LEVELS / ADDITIVES

	23-Apr-26	14-Nov-25	04-Jul-25	27-May-25
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D8130 [COOLANT]				
Cu Copper	6	15	3	1
Fe Iron	25	29	21	17
Cr Chromium	1	1	1	1
Al Aluminum	5	8	7	5
Pb Lead	0	0	0	0
Sn Tin	0	0	0	0
Si Silicon	4	5	5	5
Na Sodium	3	3	1	5
K Potassium	0	0	1	0
Mo Molybdenum	67	99	100	99
Ni Nickel	1	1	1	1
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	0	0	0	0
Cd Cadmium	0	0	0	0
Ca Calcium	1271	2187	2546	2264
P Phosphorus	1121	1089	1146	1245
Zn Zinc	1266	1264	1449	1330
Mg Magnesium	848	19	83	80
Ba Barium	2	0	0	0
B Boron	11	20	27	41



HYDRAULIC SYSTEM

EQUIP NUM: AS435

SERIAL NUMBER: XNB10204

T010-56118-0408

SAMPLE SHIP TIME (days) : 5

BAYPORT PLANT HIRE PTY LTD

RECEIVED DATE: 28-Apr-26

CAT 330



Monitor Compartment

Interp By: Hon Yin Tham

Interpreted On: 30-Apr-26

IRON LEVEL APPEARS SLIGHTLY HIGH, AND HAS INCREASED. THIS MAY BE ACCEPTABLE FOR ORIGINAL FILL OIL, LEVELS SHOULD SETTLE DOWN AFTER ONE OR TWO OIL CHANGES. INVESTIGATE AND EVALUATE COMPARTMENT CONDITION. CHECK FILTER MEDIUM AND SCREENS FOR WEAR MATERIAL AND CONTAMINATION. CHECK & ENSURE THIS COMPARTMENT OPERATING CORRECTLY. AS THE OIL HAS NOT BEEN CHANGED. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. AFTER INSPECTION RESAMPLE AT THE NEXT SERVICE INTERVAL TO RE-EVALUATE CONDITION.

SAMPLE INFORMATION

	23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
Sampled Date	23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
Sample Id	T010-56118-0408	T010-55325-0401	T010-55191-0501	T010-55023-0201
Lab Date	28-Apr-26	21-Nov-25	10-Jul-25	23-Jan-25
Meter [Hr]	5506	5068	4514	4072
Comp Meter [Hr]	5506	5068	4514	4072
Meter On Fluid	5506	5068	4514	4072
Fluid Brand	CAT	CAT	CAT	CAT
Fluid Weight	10W	10W	10W	10W
Fluid Type	ADVANCED 10	ADVANCED 10	ADVANCED 10	ADVANCED 10
Fluid Change	N	N	N	N
Filter Change	N	N	N	N
Make Up Fluid [l]	25	0	10	
Total Fluid Added	35	10	10	0

PREVIOUS SAMPLE

IRON LEVEL APPEARS SLIGHTLY HIGH. THIS MAY BE ACCEPTABLE FOR ORIGINAL FILL OIL, LEVELS SHOULD SETTLE DOWN AFTER ONE OR TWO OIL CHANGES. INVESTIGATE AND EVALUATE COMPARTMENT CONDITION. CHECK FILTER MEDIUM AND SCREENS FOR WEAR MATERIAL AND CONTAMINATION. CHECK & ENSURE THIS COMPARTMENT OPERATING CORRECTLY. AS THE OIL HAS NOT BEEN CHANGED. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. AFTER INSPECTION RESAMPLE AT THE NEXT SERVICE INTERVAL TO RE-EVALUATE CONDITION. THE TEST FOR PARTICLE COUNT IS CURRENTLY UNAVAILABLE DUE TO THE INSTRUMENT BEING DOWN.

For additional sample history, go to: [S.O.S WEB](#)

CONDITION / CONTAMINATION

		23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
VISCOSITY (CENTISTOKES) ASTM D445					
V40	Viscosity at 40 C	40.78	41.77	43.28	42.69

WEAR LEVELS / ADDITIVES

		23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]					
Cu	Copper	7	7	8	8
Fe	Iron	21	19	18	17
Cr	Chromium	0	0	0	1
Al	Aluminum	2	1	1	1
Pb	Lead	2	1	0	2
Sn	Tin	0	0	0	0
Si	Silicon	2	2	1	2
Na	Sodium	10	10	8	6
K	Potassium	4	3	2	3
Mo	Molybdenum	0	0	0	0
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	1
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Mn	Manganese	0	0	0	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	144	143	160	154
P	Phosphorus	660	679	649	709
Zn	Zinc	815	832	916	910
Mg	Magnesium	3	3	3	2
Ba	Barium	1	3	0	0
B	Boron	1	2	1	2

INFRARED (IFM) ASTM E2412

		23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
ST	Soot	0			
OXI	Oxidation	5	4	4	4
SUL	Sulfate By-Product	14			
NIT	Nitration	0			

WATER - HOTPLATE

		23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
W	Water	N	N	N	N

CLEANLINESS

		23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406					
ISO	ISO Code Rating	16/13/9		17/15/11	20/18/14
4µ	4µ	394		1162	5890
6µ	6µ	43		213	1712
14µ	14µ	3		12	128

FERROUS DEBRIS

		23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
PQI	PQ Index	2	0	0	0

VISUAL INSPECTION

		23-Apr-26	14-Nov-25	04-Jul-25	17-Jan-25
DEP	DEP	N	B1	A1	A2
DEP2	DEP2	N	DEB	DEB	DEB

FINAL DRIVE REAR LEFT

EQUIP NUM: AS435

SERIAL NUMBER: XNB10204

T010-56118-0424

SAMPLE SHIP TIME (days) : 35

BAYPORT PLANT HIRE PTY LTD

RECEIVED DATE: 28-Apr-26

CAT 330



Monitor Compartment

Interp By: Hon Yin Tham

Interpreted On: 30-Apr-26

TRACE AMOUNT OF VISIBLE MAGNETIC & NON-MAGNETIC PARTICLES FOUND. INSPECT ANY MAGNETIC PLUG(S) FOR FERROUS METAL & CHECK OIL FOR OTHER ABNORMAL VISIBLE MATERIAL. CHECK & ENSURE THIS COMPARTMENT OPERATING CORRECTLY. AS THE OIL HAS BEEN CHANGED. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. AFTER INSPECTION RESAMPLE AT THE NEXT SERVICE INTERVAL TO RE-EVALUATE CONDITION.

SAMPLE INFORMATION

	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
Sampled Date	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
Sample Id	T010-56118-0424	T010-55323-0407	T010-55191-0616	T010-55023-0226
Lab Date	28-Apr-26	19-Nov-25	10-Jul-25	23-Jan-25
Meter [Hr]	5506	5068	4514	4072
Comp Meter [Hr]	5506	5068	4514	4072
Meter On Fluid	438	554	442	1998
Fluid Brand	ELF	ELF	ELF	CAT
Fluid Weight	50	50	50	50
Fluid Type	TRACTELF KTR 4	TRACTELF KTR 4	TRACTELF KTR 4	TDTO
Fluid Change	Y	Y	Y	Y
Filter Change	N	N	N	N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

TRACE AMOUNT OF VISIBLE MAGNETIC & NON-MAGNETIC PARTICLES FOUND. INSPECT ANY MAGNETIC PLUG(S) FOR FERROUS METAL & CHECK OIL FOR OTHER ABNORMAL VISIBLE MATERIAL. CHECK & ENSURE THIS COMPARTMENT OPERATING CORRECTLY. AS THE OIL HAS BEEN CHANGED. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. AFTER INSPECTION RESAMPLE AT THE NEXT SERVICE INTERVAL TO RE-EVALUATE CONDITION. THE TEST FOR PARTICLE COUNT IS CURRENTLY UNAVAILABLE DUE TO THE INSTRUMENT BEING DOWN.

For additional sample history, go to:

[S.O.S WEB](#)

CONDITION / CONTAMINATION

	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
VISCOSITY (CENTISTOKES) ASTM D445				
V40 Viscosity at 40 C	213.0	215.5	215.5	201.0

WEAR LEVELS / ADDITIVES

	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]				
Cu Copper	0	0	0	1
Fe Iron	137	125	87	208
Cr Chromium	2	1	1	2
Al Aluminum	19	24	6	14
Pb Lead	1	0	0	1
Sn Tin	0	0	0	0
Si Silicon	88	90	38	93
Na Sodium	3	2	0	2
K Potassium	4	2	1	4
Mo Molybdenum	1	2	1	0
Ni Nickel	0	1	0	0
Ag Silver	0	0	0	0
Ti Titanium	2	2	1	2
V Vanadium	0	0	0	0
Mn Manganese	1	1	1	2
Cd Cadmium	0	0	0	0
Ca Calcium	2239	2222	2361	3014
P Phosphorus	1066	1050	890	1000
Zn Zinc	1232	1247	1155	1252
Mg Magnesium	12	11	10	8
Ba Barium	0	0	0	0
B Boron	3	3	4	2

INFRARED (UFM) ASTM E2412

	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
ST Soot	0			
OXI Oxidation	3	3	3	4
SUL Sulfate By-Product	17			
NIT Nitration	0			

WATER - HOTPLATE

	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
W Water	N	N	N	N

CLEANLINESS

	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406				
ISO ISO Code Rating	22/17		21/16	DARK
6µ 6µ	23338		11221	
14µ 14µ	678		386	

FERROUS DEBRIS

	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
PQI PQ Index	72	60	42	58

VISUAL INSPECTION

	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
DEP DEP	A2	A2	A2	DARK
DEP2 DEP2	M-D	M-D	M-D	N

**FINAL DRIVE REAR
RIGHT**

EQUIP NUM: AS435

SERIAL NUMBER: XNB10204

CAT 330



Monitor Compartment

Interp By: Hon Yin Tham

Interpreted On: 30-Apr-26

T010-56118-0425





SAMPLE SHIP TIME (days) : 35

**BAYPORT PLANT HIRE PTY
LTD**

RECEIVED DATE: 28-Apr-26

TRACE AMOUNT OF VISIBLE MAGNETIC & NON-MAGNETIC PARTICLES FOUND. INSPECT ANY MAGNETIC PLUG(S) FOR FERROUS METAL & CHECK OIL FOR OTHER ABNORMAL VISIBLE MATERIAL. CHECK & ENSURE THIS COMPARTMENT OPERATING CORRECTLY. AS THE OIL HAS BEEN CHANGED. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. AFTER INSPECTION RESAMPLE AT THE NEXT SERVICE INTERVAL TO RE-EVALUATE CONDITION.

SAMPLE INFORMATION

				
Sampled Date	24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
Sample Id	T010-56118-0425	T010-55323-0408	T010-55191-0617	T010-55023-0227
Lab Date	28-Apr-26	19-Nov-25	10-Jul-25	23-Jan-25
Meter [Hr]	5506	5068	4514	4072
Comp Meter [Hr]	5506	5068	4514	4072
Meter On Fluid	438	554	442	1998
Fluid Brand	ELF	ELF	ELF	CAT
Fluid Weight	50	50	50	50
Fluid Type	TRACTELF KTR 4	TRACTELF KTR 4	TRACTELF KTR 4	TDTO
Fluid Change	Y	Y	Y	Y
Filter Change	N	N	N	N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

TRACE AMOUNT OF VISIBLE MAGNETIC & NON-MAGNETIC PARTICLES FOUND. INSPECT ANY MAGNETIC PLUG(S) FOR FERROUS METAL & CHECK OIL FOR OTHER ABNORMAL VISIBLE MATERIAL. CHECK & ENSURE THIS COMPARTMENT OPERATING CORRECTLY. AS THE OIL HAS BEEN CHANGED. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. AFTER INSPECTION RESAMPLE AT THE NEXT SERVICE INTERVAL TO RE-EVALUATE CONDITION. THE TEST FOR PARTICLE COUNT IS CURRENTLY UNAVAILABLE DUE TO THE INSTRUMENT BEING DOWN.

For additional sample history, go to:

S.O.S WEB

CONDITION / CONTAMINATION

		24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
VISCOSITY (CENTISTOKES) ASTM D445					
V40	Viscosity at 40 C	201.5	212.5	214.6	204.6

WEAR LEVELS / ADDITIVES

		24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
ELEMENTAL ANALYSIS (PPM) ASTM D6185 [OIL] / ASTM D6130 [COOLANT]					
Cu	Copper	0	0	0	1
Fe	Iron	73	111	194	382
Cr	Chromium	1	1	2	4
Al	Aluminum	6	11	20	47
Pb	Lead	1	0	0	1
Sn	Tin	0	0	0	1
Si	Silicon	33	62	156	355
Na	Sodium	2	3	2	8
K	Potassium	2	3	6	15
Mo	Molybdenum	2	1	1	0
Ni	Nickel	0	0	1	1
Ag	Silver	0	0	0	0
Ti	Titanium	1	2	3	6
V	Vanadium	0	0	0	0
Mn	Manganese	1	1	1	3
Cd	Cadmium	0	0	0	0
Ca	Calcium	2106	2158	2349	3171
P	Phosphorus	1005	1029	1021	1088
Zn	Zinc	1167	1212	1156	1313
Mg	Magnesium	10	9	12	9
Ba	Barium	0	0	0	2
B	Boron	3	3	4	2

INFRARED (UFM) ASTM E2412

		24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
ST	Soot	0			
OXI	Oxidation	3	3	3	3
SUL	Sulfate By-Product	16			
NIT	Nitration	0			

WATER - HOTPLATE

		24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
W	Water	N	N	N	N

CLEANLINESS

		24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406					
ISO	ISO Code Rating	21/16		HIGH DEBRIS	DARK
6µ	6µ	17747			
14µ	14µ	423			

FERROUS DEBRIS

		24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
PQI	PQ Index	38	60	108	404

VISUAL INSPECTION

		24-Mar-26	14-Nov-25	04-Jul-25	17-Jan-25
DEP	DEP	A2	A2	A3	DARK
DEP2	DEP2	M-D	M-D	M-D	N

AS-435

WORK DETAILS

DATE	FITTERS NAME	WORK DETAILS	
2-2-22	Danica Smith	Took The Machine Over	18 HRS
2-2-22	Danica Smith	Met Vance from Mission Airports at Desertrivers and Diagnose Why the GPS Was not Working Properly. Found the Wiring from from the Room to Stick was faulty, went to Mission Airports and got a New Mission form 519-5233, return to machine and fit it, test the GPS Air Working OK.	51 HRS
7-3-22	CRATG/P414	Operator reported the RHS gunt hitch cylinder was hanging out of position. When fitting the hitch right and becoming jammed before fitting and hitching home. Repositioned here to temporarily prevent this but here is still not correct. Added 5 litres of engine oil.	221 hrs.
9-3-22	CRATG	Take 250 hours SOS SAMPLE OF ONE OIL.	247 hrs
1-4-22	Paul	Mr Remount New Bucket Pick up from Machine. Also check bucket to protect ellipse nuts. Then free leads to front edge, sides + ends of Aloum Straps. Also Bucket no. Return Bucket to Machine.	337 hrs.
9-4-22	Paul	Mr Remount Service Reminder Alert on Monitor. Clear Alert. Unwon. Door Prock Tag - Rem of Door - Spent out with Unwon - Location Bot/Net. Run for Server Hours.	384 hrs
1-5-22	CRATG	The front lower panel on cabin under bottom windscreen had been damaged, the panel cover lock stud was pulled. Remove cover, panel bent and paint. Refit stud with washer and nut where nut set was pulled out. Adjust/straighten the panel cover for the cabin door, adjust lock stud.	—
4-5-22	CRATG	Check machine, found oil leak at 5573856 stick check/valve valve, the lower 2254818 plug had come loose, fitted new 417533 seal, refit tight, test, top OIL.	514 hrs
5-7-22	CAMHOSE	Went out to Mr Remount and Supply fit a New Quick Hitch Hose	537 hrs
1-8-22	CRATG	Tighten LHS hose to quick hitch cylinder, nut coming loose because hole stem is hit by the latched link. Lubricate door open latch on cabin.	858 hrs

AS 435

DATE	FITTERS NAME	WORK DETAILS	
3.9.22	CASEY	INSPECT CUTTING EDGE FINE MISSING/LOOSE BOLTS. REMOVE BOTH EDGES, CLEAN BUCKET SURFACE + EDGE SURFACE. SHUTTEN THE EDGES AND RE-FIT. USE NEW NUTS/BOLTS AND TIGHTEN.	1,008 HRS 33400
3.1.23	CRAGG	250 hour engine SOS and reset dash panel service warning.	1,238 hr
7.3.23	FINE	ORANA. Cutting Edge Renner mud bucket wdg. 838082.	1494
1.3.23	CASEY	TOPPED UP ENGINE COOLANT level FIRM JUST BELOW MIN MARK. TO OPER LEVEL. ALSO LUBRICATE CABIN DOOR OPEN LATCH	
1.3.23	CRAGG	Replaced enclosure door lock barrel at battery box 611633	1,704 hrs
4.23	CRAGG	SOS engine for 250 hours	1,752 hr
8.5.23	CRAGG	Operator added a small amount of coolant to heater tank. Inspected machine for leaks, found coolant leak of radiator hose into water pump. tightened clamp approx by turn. Checked swing gear oil as a cause of grease loss around swing bearing. Oil level was OK.	1,879 hr
7.7.23	CRAGG	Rept (good pre load spring) roller sunvisor to front window	2,193 hr
7.9.23	CRAGG.	250 hour SOS of engine.	2,305 hr
4.10.23	FINE	ORANA. Mud Bucket Edge Turn Edges. Reused Two Bars Nuts	2340 hrs
4.11.23	CRAGG.	Operator used Ancorure - enclosure for Two Buckets. Operator reported 376-5(1) Alarm alarm current low, found to be occurring 43 times 2092-2305 hours. Checked wiring to alarm OK. Alarm tested OK of present. Fitted new travel alarm clear fault code for hrs.	2,405 hr 2,395 hr 2,405 hr
8.1.23	CRAGG.	Thieves had stolen the batteries and other parts . 2 new batteries P/No 9X3404 were fitted, a new jump cable. 3280132, plastic hold down and stud were also missing and were replaced cleaned terminals on cables to machine. OK. Fuel & D'shock lifting chain and a box of grease were also stolen.	2551 hr 2409 hr

AS435

DATE	FITTERS NAME	WORK DETAILS	
1-1-24	BARRY EVANS LITVICK	New Down in Honda Litvick's (minor) Rins, Swaps, Sags Locking Hook, Am A New 12T Raw Sump. To Replace the Stolen one at Orana	BA0002
1-7-24	CRAIG	Added 500 ml of CAT coolant extender 1195152 due to SES report recommendation	2,670hr
1-7-24	CRAIG	Adjusted radiator enclosure door latch linkage to compensate for wear and hand opening of latch. Lubricate mechanism.	2,678hr
8-2-24	CRAIG	Carry out 250 hour SES on engine.	2775 hr
1-3-24	DANIEL DIIPPETA	Take Daniel Smith a New Fuel Car	BA015
1-4-24	CRAIG	Clean around swing gear grease cover and remove. Inspect swing grease and photograph. Grease lubed etc.	2,960h
2-4-24	James Evans	Went out Orana and diagnose Why the Engine Coolant Temp Was Overheating, Supply fit a New Thermostat, Operate Machine to Test Temp Wouldnt go over 90C as Air OK, had trouble to Stop Coolant leak at the Top Radiator Hose, have Orana in a New Hose + Clamps from Car Washdown	2,988hrs
2-4-24	William Adams James	Went out to Orana and Supply fit a New Top Radiator Hose + Clamps,	3002 hrs
30-4-24	Alic	DRAMA Mud Bucket Edge - Remove Edge. New Hardware. R 415 34	3027
1-7-24	Craig	CARRY OUT 250HR EXC OIL SAMPLE	3,328HR
1-7-24	CRAIG	Turn cutting edges. Replace 6 nuts the mud bucket.	3,400hr
1-8-24	CRAIG + BARRY	Change cable to 414 bucket angle sensor due to the fault code 3685-9 and other associated codes. Inspected connector first both looked ok. Cable Part no 150475-040	3420.5
1-8-24	Phil	Mud Bucket Bone once several down to knife edge - Covers Exposed. Bund up Summer time with WELD + OVERLAY WITH HARD FINE WIRE.	3515
	Doreen Moran	REMOVE CUTTING EDGES + HARDWARE. R 42206 + R 42207 Welding Stitches + Side Work Patch material ORDERED.	BA2259

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AS435

DATE	FITTERS NAME	WORK DETAILS	
9.8.24	CRAIG	Set up operator control panel for GRABS , programme in 4H for EMBER GRABS , set flow to 50 lpm EXT, reprogram RET, both pressures to 27500 kPa, set up LHM to 12mm wheel for grabs, and other minor settings. Fit grip couplers to pipes on STCK . Clear faults for angle sensors, previously repaired	3,554hr
3.9.24	CRAIG	Operator reported an EVENT CODE ER32 (2) , the fuel/water separator bowl was inspected, found no water, only small amount of sediment. Remove fuel bowl and sensor, clean out bowl and wash and clean SENSOR . Re assemble with original filter. Check fuel cap and breather O2. Drain sediment - none. Added 20ml of Biocide. Prime fuel, check code, not present for now. Operator reported that the CODE ER32 had returned, and the engine had detected. Replaced the sensor and fitted a second hand WIF SENSOR believed to be P1110 439 5039, restarted machine and fault had disappeared. New sensor to be ordered by William Adams.	3,640hr
8.9.24	CRAIG	Operator reported that the CODE ER32 had returned, and the engine had detected. Replaced the sensor and fitted a second hand WIF SENSOR believed to be P1110 439 5039, restarted machine and fault had disappeared. New sensor to be ordered by William Adams.	3,640hr
1.10.24	CRAIG	Replaced S/H sensor with new sensor for water in fuel filter part number 6415407 , started engine, checked for codes, all OK. Carry out ISO laser SOS .	3759.
1.10.24	Phil	DRAMA . Man Bucket Error : TEAN Errors , Reverse Handover . REPAIRMAN: BERT REMOVED DRUMS BEAT .	3796 hr
7.1.25	CRAIG + PHIL	Carried out 2000 hour service as per OLMG and checked sheet, replaced girth hitch safety latch lock cylinder because its spring was broken. Check power to faulty hand alarm . Add one cart of grease to swing gear, grease OK on feet.	842248
4.1.25	Phil	Changed coolant due to SOS . DRAMA . Mud Bucket corners wear + Area trim access	4073

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AS435

DATE	FITTERS NAME	WORK DETAILS	
4-1-25	Phil.	BUILD UP WITH HAND TRENCH ROOFS - BOTH CORNERS AND IN BEND AREAS BASE EDGE. REMOVE CUTTING EDGES NEW HEDGECOME. B4289	4073 B42790
8-1-25	CRAIG	REPAIR LINC. REPAIRER HOSE 608 1813, LEAKING AT PLOWER CONNECTION. REMOVE AMMUN TEST SOME AMMUN ON MACHINE - NOT WORKING. OPERATOR REPORTED Q. CODE E236-2 HYD FILTER BLOTTED. REMOVED HYD FILTER AND FITTED NEW PART. NOTED FINE GROSS IN OIL FROM FILTER. CUT OPEN FILTER, FOUND NO METAL, ONLY SOME BLACK NON METALLIC MATERIAL. OPERATOR REPORTED WARNING E236-2 STILL COMING ON AFTER FILTER CHANGED. CHECKED FOR CAUSE OF NO FLOWED ALARM, FOUND TORN AMMUN SWITCHED OFF IN POWER. TURNED ON TESTED OK. SETTINGS - SERVICE - CONFIGURATION - MACHINE ATTACHMENTS FOUND TRAVEL ALARM IN MACHINE ATTACHMENTS. WENT OUT TO ORANGE AND SUPPLY. FIT A NEW HYD FILTER RETURN SENSOR	4081 hr B4282
9-1-25	William Adams	SOS - TEST ORANGE AIR OR WARNERS	4086 hrs
10-3-25	CRAIG	OPERATOR REPORTED THE CAT DECAL ON PUMP/EXHAUST COMPARTMENT WAS CHANGING COLOUR AND TESTED BURNIT. INSPECTED CEW AND THE EXHAUST SYSTEM FOR SIGNS OF LEAKAGE, NOTHING WAS FOUND. NEED TO MONITOR FOR AND PROGRESS. NOTED PAINT INSIDE NOT BURNIT	—
18-3-25	CRAIG	OPERATOR REPORTED LOW COORANUT, THE INDICATOR WAS TOYPOD UP AND PRESSURE TESTED FOUND CRACKS LEAK AT TOP AND BASE AT ROLLER AND AT BOTTOM HERE TO W/ PUMP JOINT, TIGHTENED BOTH, THE BOTTOM HERE WOULD NOT STOP LEAKING UNDER PRESSURE. NEW HOSE ORDERED.	4, 220 hr
17-5-25	CASSY	TAKE SOS OF ENGINE	4, 331 hrs
1-6-25	Phil	ORANGE. MID BUCKET CUTTING EDGE TURN EDGE. REMOVE H/WARE	4361

FF Sender to keep
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DATE	FITTERS NAME	WORK DETAILS	
1-7-25	CRAIG + PHIL	Carried out 500 hour service as per o/mg. Replaced the bottom rod hose and clamps, due to leakage at the water pump, 2 clamps were fitted at the pump, pressure tested ok. 505 oil / Oils, safety checks as per check sheet, Rein Bunker Return Edge Return. Both Edges with New Amaraire	45144, 842946
1-7-25	Phil	Operator reported the stick cyl was leaking. Inspected and found stick cyl head seals leaking, removed and sent to William Adams for repair. Found the buffer seal backgating was cracked and blown out of shape, the buffer seal and main "U" cyl seal were eroded away. The cyl rod was bent .020". The cyl rod was not available in Aust. Reassembly the cyl with the bent rod, and a new seal kit (updated part no). Refitted to machine, bled the pilot line, test and cycle cyl and top hydroil. Checked for leaks OK.	1343540, 1343541
1-7-25	CRAIG	Operator reported the stick cyl was leaking. Inspected and found stick cyl head seals leaking, removed and sent to William Adams for repair. Found the buffer seal backgating was cracked and blown out of shape, the buffer seal and main "U" cyl seal were eroded away. The cyl rod was bent .020". The cyl rod was not available in Aust. Reassembly the cyl with the bent rod, and a new seal kit (updated part no). Refitted to machine, bled the pilot line, test and cycle cyl and top hydroil. Checked for leaks OK.	4, 6064
	William Adams Head Hunters	Also tested hyd pressures using dash panel, found pressures for pump 1 around 34,340 kPa and Pump 2 34,250 kPa, this was taken when stalling stick cyl in and out. These pressures are in specs.	843555
3-8-25	CRAIG	Operator reported code E1044 high manifold press . Checked codes log and found E1044 twice 4659 - 4672 hrs. Tested the turbo waste gate actuator, "hole" in diaphragm. Fitted and adjusted a 6306772 actuator , which is the updated part. Part taken from stock and renumbered. NOTED - on oil leak at the front crankshaft seal , checked and adjusted oil level, drained 5 litre down, seal to be replaced when possible.	46776,
			843627

AS 435

DATE	FITTERS NAME	WORK DETAILS	
2.9.25	CRAIG + PHIL	<p>WORKSHOP REPAIRS: The front crankshaft seal was leaking intermittently. Checked and feet of crankshaft OK. 100" V fitted new crank seal and new hub, which was fitted with 3 new belts. The exhaust manifold gasket had blown at 206 cylinder. The manifold was removed and refitted by head gaskets. They also removed one broken belt. Refitted with new seals and gaskets. The engine/hydr/liter cooler electric fans were cleaned with compressed air and re-tensioned to 15 N.M. Wandle covers were straightened and new pinch rubber fitted as needed. Shims were added to stick-with joint and also boom to main frame joint, shims added as needed.</p> <p>The quirt hitches till cyl's had new brgs and pins fitted to the rod ends. The cab bumper panel under the front was removed and pressed straight. Lubricated enclosure door latches x3. Found the belly guard bolt for the rear guard under the cab were loose, one bolt broke off. Drilled out broken bolt, re-taped all holes, cleaned and re-fitted belts. The radiators were blown out with compressed air. The radiators and engine bay were washed/degreased. Completed final inspection. Modified control panel settings to swap quick with direction from thumbwheel forward on RH joystick to make bucket tilt left to thumbwheel FORWARD TO MAKE BUCKET TILT RIGHT.</p> <p>Replace front sun visor, the axle (plastic) had broken off one end. 488 6504 complete screen and mounting B 43710</p> <p>Resolder WHF antenna plug and test WHF. Check the PASS CODE ACCESS FOR MSS, only 1 user installed to panel. (code 3700)</p>	<p>48024 B 43710 B 43715 B 43715</p>
2.9.25	CRAIG	<p>Replace front sun visor, the axle (plastic) had broken off one end. 488 6504 complete screen and mounting B 43710</p>	48834
0.9.25	CRAIG	<p>Resolder WHF antenna plug and test WHF. Check the PASS CODE ACCESS FOR MSS, only 1 user installed to panel. (code 3700)</p>	48914 (code 3700)

A8435

DATE	FITTERS NAME	WORK DETAILS	
3-10-25	Phil	R. Lierman Mud Bucket Line - Turn + New Hardware. B343859	5003
4-11-25	CRAG	Carried out 5000 hour service as per O/MG and check sheet. Some items not yet complete.	5,068
6-11-25	CRAG + PHIL	Complete by finished 5000 hour service items. Inspected for coolant leaks OK.	5,123
2-1-26	CRAG	Replaced both engine oil filter hoses because they were going hard and the UNFILTERED hose was starting to leak.	5,223.
3-2-26	CRAG	Repaired faulty 4917826 Horn RWS , part taken from bilge/saft. Replaced the RH rear door lock 6111633. Took a BSR because there were a few faults to review.	5,263
12-3-26	CRAG	Replaced broken handle on upper front wandle cover ^{part} cover . Added 2.5 litres of coolant, inspected engine hot, no leak seen at the present time.	5,363 hrs
2-2-26	CRAG	Replaced trones atom with SLH part from A8438 because the atom was working intermittently and causing a code. 376-5	5,305 hr
2-4-26	CRAG	Operator reported a hose was leaking. Found the 5607575 hose for the swing meter was leaking through the case. Ordered and fitted new CAT HOSE, test top oil. Adjust and lubricate cabin door back hatch . Check for Adapted emissions fault code, no related codes.	5,502 hr
3-4-26	CRAG + PHIL	Carried out 500 hour service as per O/MG and check sheet. Replaced accessory drive belt on engine.	5,506 hr
3-4-26	CRAG	Operator reported an EMissions Error , found code. 3100-12 DEF TRUCK QUALITY SENSER out of calibration. Checked power to sensor, found 24 Volts, disconnecting connector gave us 5856-9 data link fault OK. No corrosion on the connector terminals. Fault was not active but had occurred 3 times in 2 days NEW	5,544 hr

