Vehicle History Summary

Local Mix Concrete

Fleet #	L13
Registration	CAT 980H
Make	CAT
Model	980H
VIN / Chassis	A8J04050
Build Date	2009

Number	Date	Km	Hours	Fuel Usage	Type	Repairer Notes	Repairer
R-8492	2026-10-07		21529	0	Grease line	Replace grease line to rh tilt link. New hose made by Pirtek.	
R-8396	2026-09-14		21506	0	Hydraulic Hose	Hose from R.H steering cylinder to the control valve had burst. Replace hose with new Cat hose.# 254.6569. Top up hydraulic oil and test.All ok.	
S-1283	2026-08-12		21500		A - 500hr	Replace rh front work light with new one.	
R-7611	2026-03-27		21460	0	Hydraulic Hose	Repair grease line to tilt link. Bleed up auto greaser pump.	
R-7532	2026-03-13		21434	0	Filter	Remove pressure switch, reducing adaptor and test port from trans filter base. Replace all o-rings on these and re-assemble . Ok now. Top up trans oil.	
R-7444	2026-02-25		21402	0	Chassis	The lower pivot/mounting point for the cylinder had rusted through. Dave cut out what remained and fabricated a new mounting. This was welded into place. The bearings in the cylinder were replaced and cylinder re-fitted with new pins. Replaced both hoses, and refilled pump with oil. Bonnet working correctly now.	
R-7142	2026-01-30			0	Airconditioner		
R-7304	2026-01-27			0	Airconditioner		
R-7528	2026-01-20			0	Mudflap		
R-7143	2026-01-07			0	G.E.T	removed all adaptors and swapped to cutting edge	
R-7140	2025-11-25			0	Airconditioner		
R-7027	2025-10-27			0	Wear Plate	new heal wear plates fitted as per requested	
R-7144	2025-10-24			0	Fabrication	underneath of bucket in effected areas was cut out and replaced (new heel pads were fitted also)	
R-5906	2025-10-17			0	Fabrication	All effected areas of this bucket have been addressed as per requested .	
R-6974	2025-10-09		21312	0	Grease line	Repair tilt link grease line with new fittings. Hose ok. Re- mount park brake cable onto bracket behind dash board. Knob and cable were very loose. Ok now.	
R-6244	2025-04-15		21284	0	Fuel Pump	Fuel pressure regulator/check valve had previously been replaced. This time, replaced fuel transfer gear pump with new one. Pump was still original with 20K + hours on it. Starting and running fine now.	

R-6132	2025-03-28		21229	0	Engine	Drain coolant/remove thermostat housing. Remove leaking hose between housing and water pump. Replace hose and clamps. Also replace hose and clamps on rubber elbow on top of thermostat housing. Refill cooling system with cat LLC. Run and check for leaks. All ok now.	
R-5907	2025-02-03			0	Airconditioner		
R-5852	2025-01-23			0	Air Conditioner		
R-5816	2025-01-21		21137	0	Hydraulic Hose	Replace LH tilt cylinder hose to rod end of cylinder, with new Cat hose. Wash machine. Top up hydraulic oil. Ok now.	
R-5397	2025-01-03			0	Welding	made new mounting plates and re mounted step as per instructed	
R-5604	2024-11-26		21030	0	Grease line	Replaced broken line with new one. All ok now.	
S-914	2024-10-04		21000		B - 1000hr		
R-4970	2024-06-13		20864	0	Starter Motor	Disconnect all batteries and test with battery tester. All batteries passed test. Good condition, good voltage good cca's. Measure cranking rpm at 150. Cranking voltage drops to 17V. Remove old starter motor, replace with spare one off the shelf. Engine starts fine. Cranking rpm now 200+, cranking voltage now 20V. Return machine to service.	
R-4611	2024-04-02		20811	0	engine	Ben J from William Adams replaced engine ECM with new one after doing full re-programming down load from old one. Installed software flash file into new one and set up all configurations/ and completed relevant calibrations. Also updated transmission software and performed clutch calibrations. Engine now running correctly, all ok.	
R-4434	2024-02-13		20761	0	Grease line	Ordered new grease line and banjo from Cat. Straighten bent line to rear pin and install new line to front pin on lhs dog bone link.	
R-4393	2024-02-06		20752	0	Grease line	Replaced elbow fitting on lh tilt rod end. New fitting found in cupboard at Anakie, stocked item Seth.	
R-4303	2024-01-15		20686	0	Tyre	Tyre repair completed by Associated cold treads, 11.1.24	
R-4037	2023-11-27		20665	0	Steering	Remove R.H. steering cylinder rod/head assembly. Dismantle piston and remove head. Re-seal head and piston , refit head onto rod and install piston. Re-assemble into machine. Top up hydraulic oil , start and test ok now.	
R-3574	2023-08-09		20546	0	Wipers	Replaced front wiper motor with new one. Tested , working now.	
S-611	2023-06-26		20500		A - 500hr		
R-3218	2023-06-08		20482	0	Heater	Cab fan motor had failed. Dismantle hvac, remove failed fan/motor, replace with new one. Re-assemble hvac, test, all ok now.	

R-3253	2023-06-08		20482	0	Steering	Remove steering column covers, and remove failed gas strut. Install new gas strut and adjust. Test for correct operation, all ok. Refit covers.	
R-3022	2023-05-05		20410	0	Steering	Checked strut on column, no fault found. Remove covers, lever adjustment ok , no leaks from strut, cannot fault at this time. Return to service.	
R-3021	2023-05-05		20410	0	Reverse Alarm	Replaced reverse alarm with new one. Tested, all ok now.	
R-3008	2023-05-05		20410	0	Electrical	Tilt linkage sensor out of calibration active code. Check sensor, found bracket/linkage all bent to sensor, has had a hit. Remove linkage arm, heat and straighten back to original shape. Refit arm and lubricate same. Re-calibrate sensor, check operation of bucket leveller, all ok now.	
R-1938	2022-10-21		20332	0	Engine	Checked with ET. No logged codes. Observe when cranking battery voltage, RPM,and fuel pressure. Voltage =ok, fuel pressure=ok. Only thing was cranking speed a bit slow at 170-180 RPM. Spoke to S.R, about replacing starter motor, decided to leave it be for the moment.	
R-1889	2022-10-12	0	20330	0	Clean		
R-1831	2022-09-30		20326	0	Steering	Dismantle L.H. cylinder. Reseal head with all new seals, re-assemble and refit. Top up oils, start and test. All ok now.	
R-1750	2022-09-07			0	Coolant		
R-1247	2022-06-22	0	20300	0	Hose	Replace both hoses with new genuine Cat hoses. Refill hydraulic tank. Wash and refit transmission belly guard.	
S-87	2021-05-04		20014		C - 2000hr	Service completed	

WILLIAM ADAMS PTY. LTD - William Adams Pty. Ltd. 17-55 Nantilla Road Clayton North, Vic
3168 Australia
PHONE: 03 9566 0666
Web: www.williamadams.com.au Email: SOSManager@wadams.com.au

DIFFERENTIAL FRONT **EQUIP NUM: L13** **SERIAL NUMBER: A8J04050**

CAT 980H_CAT

T010-54283-0341

SAMPLE SHIP TIME (days) : 5

LOCAL MIX QUARRIES PTY LTD

LOCATION: ANAKIE

RECEIVED DATE: 09-Oct-24

No Action Required

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

Interp By: Barry Swindells
Interpreted On: 11-Oct-24

SAMPLE INFORMATION

Sampled Date	04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
Sample Id	T010-54283-0341	T010-53180-0145	T010-51126-0535	T010-50217-0245
Lab Date	09-Oct-24	29-Jun-23	06-May-21	04-Aug-20
Meter [Hr]	21000	20500	20000	19500
Comp Meter [Hr]	21000			
Meter On Fluid	1000	500	2000	1500
Fluid Brand	HI-TEC	HI-TEC	HI-TEC	HI-TEC
Fluid Weight	50	50	50	50
Fluid Type	TDTO	TRANS 50	TRANS 50	TRANS 50
Fluid Change	N	N	Y	N
Filter Change	U	N	N	NA
Make Up Fluid [L]			0	0
	0	0	0	

PREVIOUS SAMPLE

OIL VISCOSITY IS SLIGHTLY LOW. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

For additional sample history, go to: S.O.S WEB

CONDITION / CONTAMINATION

		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
VISCOSITY (CENTISTOKES) ASTM D445					
V40	Viscosity at 40 C	195.6	186.4	201.7	207.6
INFRARED (UFM) ASTM E2412					
OXI	Oxidation	2	2	2	2
WATER - HOTPLATE					
W	Water	N	N	N	N

WEAR LEVELS / ADDITIVES

		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]					
Cu	Copper	1	1	7	5
Fe	Iron	30	16	38	28
Cr	Chromium	0	0	0	0
Al	Aluminum	1	0	1	1
Pb	Lead	1	0	0	0
Sn	Tin	0	0	1	0
Si	Silicon	6	5	5	4
Na	Sodium	2	1	0	0
K	Potassium	2	0	0	0
Mo	Molybdenum	0	0	1	0
Ni	Nickel	0	0	0	0
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	2039	1678	1964	1723
P	Phosphorus	950	848	987	862
Zn	Zinc	1230	1037	1240	1101
Mg	Magnesium	6	5	5	4
Ba	Barium	0	0	0	0
B	Boron	2	0	1	0

CLEANLINESS

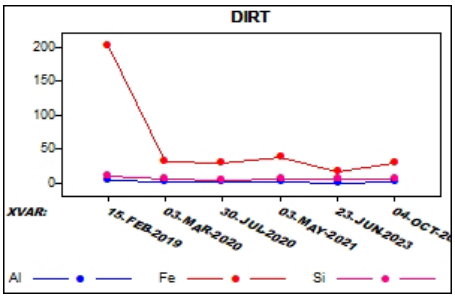
		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406					
ISO	ISO Code Rating	20/15	20/15	23/21/15	23/21/15
4µ	4µ			66492	76072
6µ	6µ	6883	5317	13138	14481
14µ	14µ	201	205	283	192
FERROUS DEBRIS					
PQI	PQ Index	14	8	28	23
VISUAL INSPECTION					
DEP	DEP	N	A1	N	N
DEP2	DEP2	N	DEB	N	N

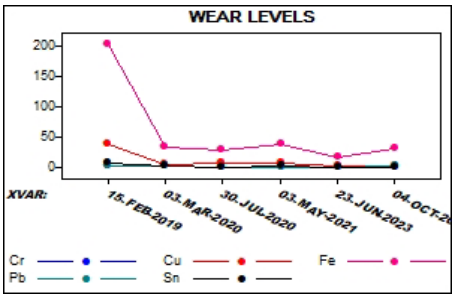
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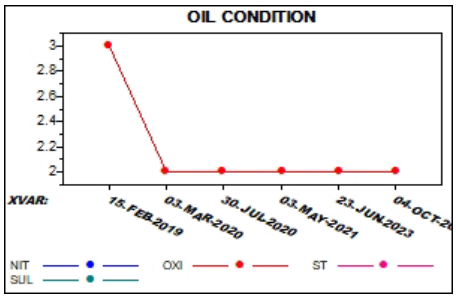
DIFFERENTIAL FRONT
SERIAL NUMBER: A8J04050
EQUIP NUM: L13
CAT 980H_CAT

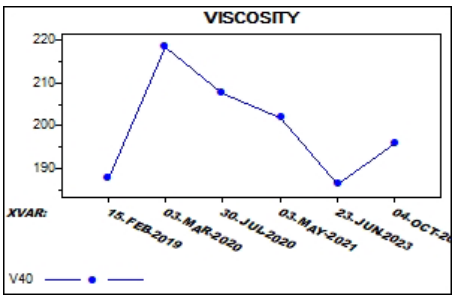
T010-54283-0341

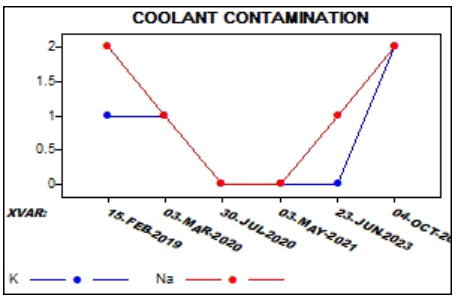
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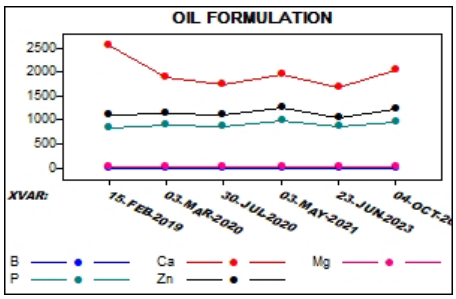












Report Comment

Our sample reports has been updated! For more information on the new report, go to - https://www.youtube.com/watch?v=4h8bREJVUrs

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William Adams CAT

WILLIAM ADAMS PTY. LTD - William Adams Pty. Ltd. 17-55 Nantilla Road Clayton North, Vic 3168 Australia
PHONE: 03 9566 0666
Web: www.williamadams.com.au Email: SOSManager@wadams.com.au

DIFFERENTIAL REAR **EQUIP NUM: L13** **SERIAL NUMBER: A8J04050**

CAT 980H_CAT

T010-54283-0342

SAMPLE SHIP TIME (days) : 5

LOCAL MIX QUARRIES PTY LTD

LOCATION: ANAKIE

RECEIVED DATE: 09-Oct-24

No Action Required

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

Interp By: Barry Swindells
Interpreted On: 11-Oct-24

SAMPLE INFORMATION

Sampled Date	04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
Sample Id	T010-54283-0342	T010-53180-0146	T010-51126-0536	T010-50217-0246
Lab Date	09-Oct-24	29-Jun-23	06-May-21	04-Aug-20
Meter [Hr]	21000	20500	20000	19500
Comp Meter [Hr]	21000			
Meter On Fluid	1000	500	2000	1500
Fluid Brand	HI-TEC	HI-TEC	HI-TEC	HI-TEC
Fluid Weight	50	50	50	50
Fluid Type	TDTO	TRANS	TRANS	TRANS
Fluid Change	N	N	Y	N
Filter Change	U	N	N	NA
Make Up Fluid [L]			0	0
	0	0	0	

PREVIOUS SAMPLE

OIL VISCOSITY IS SLIGHTLY LOW. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

For additional sample history, go to: S.O.S WEB

CONDITION / CONTAMINATION

		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
VISCOSITY (CENTISTOKES) ASTM D445					
V40	Viscosity at 40 C	198.5	187.7	195.6	196.2
INFRARED (UFM) ASTM E2412					
OXI	Oxidation	3	3	2	2
WATER - HOTPLATE					
W	Water	N	N	N	N

WEAR LEVELS / ADDITIVES

		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]					
Cu	Copper	1	0	2	1
Fe	Iron	61	22	45	38
Cr	Chromium	0	0	0	0
Al	Aluminum	1	1	1	1
Pb	Lead	1	0	0	0
Sn	Tin	0	0	1	0
Si	Silicon	11	7	4	4
Na	Sodium	2	2	1	0
K	Potassium	2	1	0	0
Mo	Molybdenum	1	0	3	1
Ni	Nickel	0	0	0	0
Ag	Silver	0	0	0	0
Ti	Titanium	0	0	0	0
V	Vanadium	0	0	0	0
Mn	Manganese	1	0	0	0
Cd	Cadmium	0	0	0	0
Ca	Calcium	2060	1713	2097	1804
P	Phosphorus	990	880	1023	889
Zn	Zinc	1255	1069	1283	1126
Mg	Magnesium	10	7	25	22
Ba	Barium	0	0	0	0
B	Boron	2	0	3	2

CLEANLINESS

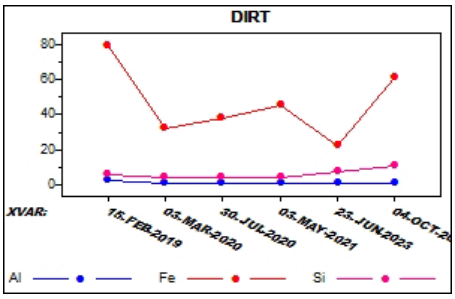
		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406					
ISO	ISO Code Rating	19/14	19/14	23/20/13	23/20/13
4µ	4µ			59486	75500
6µ	6µ	4625	3668	6344	7821
14µ	14µ	98	110	76	70
FERROUS DEBRIS					
PQI	PQ Index	30	13	36	33
VISUAL INSPECTION					
DEP	DEP	N	B1	N	N
DEP2	DEP2	N	MAG	N	N

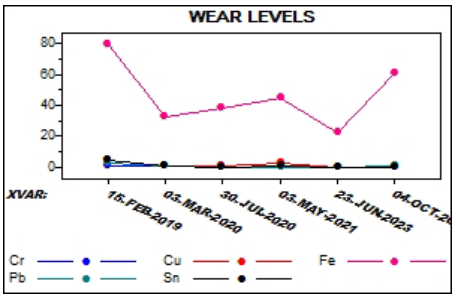
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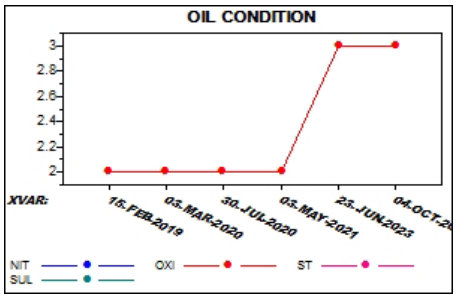
DIFFERENTIAL REAR
SERIAL NUMBER: A8J04050
EQUIP NUM: L13
CAT 980H_CAT

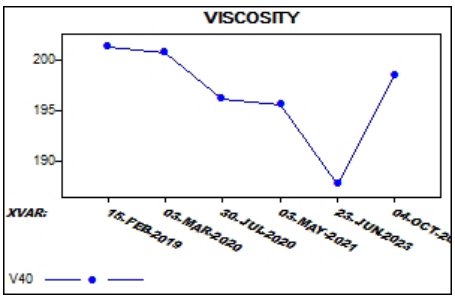
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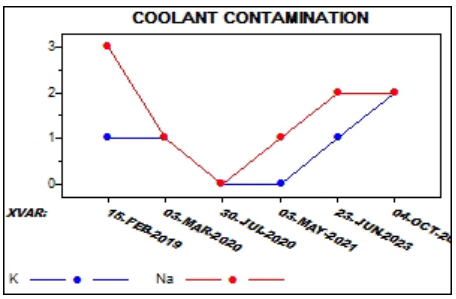
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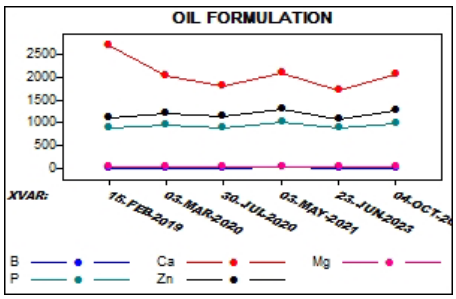












Report Comment

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3168 Australia
PHONE: 03 9566 0666
Web: www.williamadams.com.au Email: SOSManager@wadams.com.au

ENGINE **EQUIP NUM: L13** **SERIAL NUMBER: A8J04050**

CAT 980H_CAT

T010-54283-0220

SAMPLE SHIP TIME (days) : 5

LOCAL MIX QUARRIES PTY LTD

LOCATION: ANAKIE

RECEIVED DATE: 09-Oct-24

No Action Required

Interp By: Hon Yin Tham

Interpreted On: 11-Oct-24

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

SAMPLE INFORMATION

Sampled Date	04-Oct-24	23-Jun-23	04-May-21	03-Mar-20
Sample Id	T010-54283-0220	T010-53180-0204	T010-51126-0415	T010-50065-0516
Lab Date	09-Oct-24	29-Jun-23	06-May-21	05-Mar-20
Meter [Hr]	21000	20500	20000	19000
Comp Meter [Hr]	21000			
Meter On Fluid	500	500	500	498
Fluid Brand	HI-TEC	HI-TEC	HI-TEC	HI-TEC
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type	CK-4	CK-4	CK-4	CK-4
Fluid Change	Y	Y	Y	Y
Filter Change	Y	Y	Y	Y
Make Up Fluid [L]				0
	0	0	0	

WEAR LEVELS / ADDITIVES

		04-Oct-24	23-Jun-23	04-May-21	03-Mar-20
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]					
Cu	Copper	6	8	4	7
Fe	Iron	14	15	11	13
Cr	Chromium	0	0	0	<1
Al	Aluminum	2	2	2	5
Pb	Lead	2	0	1	1
Sn	Tin	1	0	0	<1
Si	Silicon	2	3	2	7
Na	Sodium	1	3	2	<1
K	Potassium	0	1	1	<1
Mo	Molybdenum	60	6	56	54
Ni	Nickel	0	0	0	<1
Ag	Silver	0	0	0	<1
Ti	Titanium	0	0	0	<1
V	Vanadium	0	0	0	2
Mn	Manganese	0	0	0	<1
Cd	Cadmium	0	0	0	<1
Ca	Calcium	1222	2104	969	909
P	Phosphorus	1012	912	1044	864
Zn	Zinc	1287	1050	1205	1049
Mg	Magnesium	978	96	931	909
Ba	Barium	0	0	0	
B	Boron	3	1	2	<1

PREVIOUS SAMPLE

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

For additional sample history, go to: S.O.S WEB

CONDITION / CONTAMINATION

		04-Oct-24	23-Jun-23	04-May-21	03-Mar-20
VISCOSITY (CENTISTOKES) ASTM D445					
V100	Viscosity at 100 C	12.24	11.88	12.6	12.2
VISCOSITY (CENTISTOKES) ASTM D445					
V40	Viscosity at 40 C	85.50	85.01	89.4	87.1
VISCOSITY INDEX					
VI	Viscosity Index	137	133	137	135
INFRARED (UFM) ASTM E2412					
ST	Soot	11	12	11	13
OXI	Oxidation	14	10	13	15
SUL	Sulfur Products	20	18	21	21
NIT	Nitration	0	0	7	8
WATER - HOTPLATE					
W	Water	N	N	N	N
FUEL DILUTION (SCREEN)					
F	Fuel	N	N	N	P
FUEL DILUTION (%) ASTM D7593					
PFc	Percent Fuel	4.54	3.61	3.91	6.18

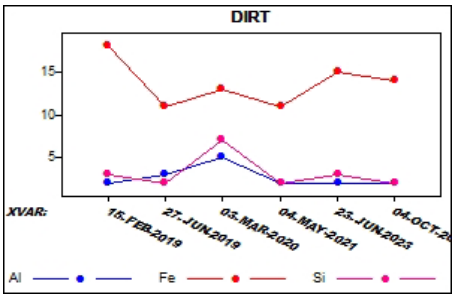
CLEANLINESS

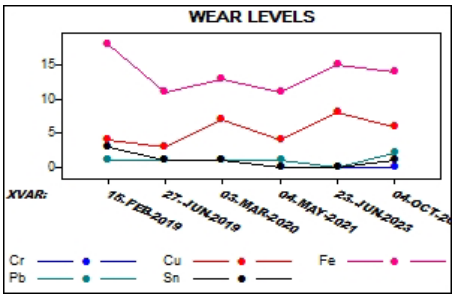
		04-Oct-24	23-Jun-23	04-May-21	03-Mar-20
FERROUS DEBRIS					
PQI	PQ Index	0	0	6	6

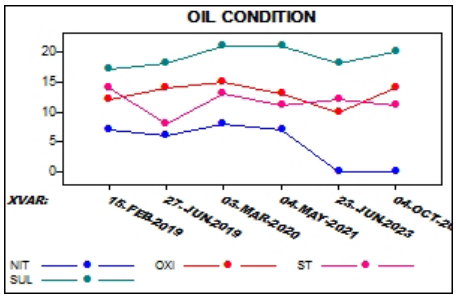
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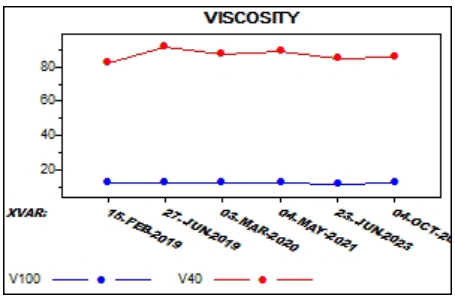
ENGINE
SERIAL NUMBER: A8J04050
EQUIP NUM: L13
CAT 980H_CAT

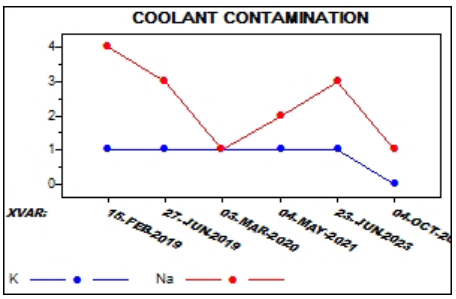
T010-54283-0220
No Action Required

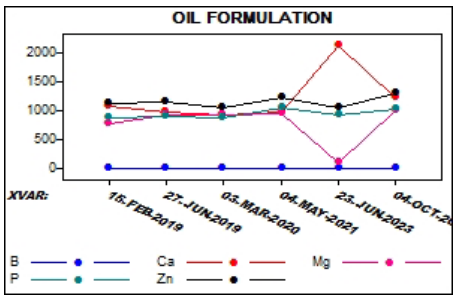












Report Comment

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WILLIAM ADAMS PTY. LTD - William Adams Pty. Ltd. 17-55 Nantilla Road Clayton North, Vic
3168 Australia
PHONE: 03 9566 0666
Web: www.williamadams.com.au Email: SOSManager@wadams.com.au

HYDRAULIC SYSTEM **EQUIP NUM: L13** **SERIAL NUMBER: A8J04050**

CAT 980H_CAT

T010-54283-0310

SAMPLE SHIP TIME (days) : 5

LOCAL MIX QUARRIES PTY LTD

LOCATION: ANAKIE

RECEIVED DATE: 09-Oct-24

No Action Required

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

Interp By: Barry Swindells

Interpreted On: 11-Oct-24

SAMPLE INFORMATION

Sampled Date	04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
Sample Id	T010-54283-0310	T010-53180-0101	T010-51126-0604	T010-50231-0202
Lab Date	09-Oct-24	29-Jun-23	06-May-21	18-Aug-20
Meter [Hr]	21000	20500	20000	19500
Comp Meter [Hr]	21000			
Meter On Fluid	1000	2000	2000	1500
Fluid Brand	HI-TEC	HI-TEC	HI-TEC	HI-TEC
Fluid Weight	46-ISO	68-ISO	10W	10W
Fluid Type	HYDRAULIC 46	HYD 68	HYD 68	HYD 68
Fluid Change	N	N	N	N
Filter Change	Y	Y	Y	Y
	0	0	0	

PREVIOUS SAMPLE

THE OIL VISCOSITY @ 40C IS LOWER THAN THE TYPICAL SPECIFICATION FOR THE REPORTED OIL. CHECK IF OIL TYPE AND GRADE PROVIDED ARE CORRECT. SOME FOREIGN NON MAGNETIC DEBRIS PARTICLES ARE VISIBLE IN THIS SAMPLE. CHECK FILTER MEDIUM AND SCREENS FOR WEAR MATERIAL AND CONTAMINATION. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. AFTER INSPECTION RESAMPLE AT THE NEXT SERVICE INTERVAL TO RE-EVALUATE CONDITION .

For additional sample history, go to: S.O.S WEB

CONDITION / CONTAMINATION

		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
VISCOSITY (CENTISTOKES) ASTM D445					
V40	Viscosity at 40 C	53.38	54.28	62.3	62.4

WEAR LEVELS / ADDITIVES

		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]					
Cu	Copper	4	4	6	6
Fe	Iron	7	7	9	9
Cr	Chromium	1	1	1	1
Al	Aluminum	1	1	2	1
Pb	Lead	1	1	0	0
Sn	Tin	0	0	0	0
Si	Silicon	7	7	8	8
Na	Sodium	2	1	2	1
K	Potassium	1	1	1	1
Mo	Molybdenum	0	0	0	0
Ni	Nickel	0	0	0	0
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	90	82	113	115
P	Phosphorus	242	214	267	263
Zn	Zinc	268	246	322	328
Mg	Magnesium	1	1	2	1
Ba	Barium	0	0	0	0
B	Boron	2	1	1	0

INFRARED (UFM) ASTM E2412					
OXI	Oxidation	3	3	3	3
WATER - HOTPLATE					
W	Water	N	N	N	N

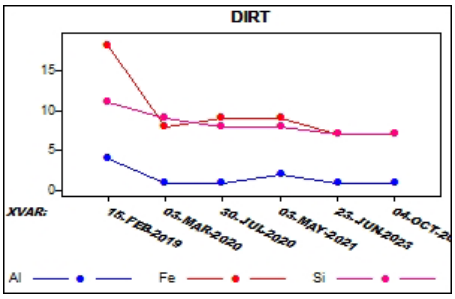
CLEANLINESS

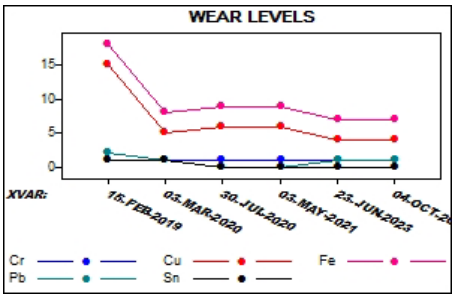
		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406					
ISO	ISO Code Rating	17/15/12	22/19/15	19/14/11	20/16/12
4µ	4µ	1271	39140	3640	8916
6µ	6µ	307	4325	87	380
14µ	14µ	39	290	12	32
FERROUS DEBRIS					
PQI	PQ Index	0	0	8	4
VISUAL INSPECTION					
DEP	DEP	N	B2	N	N
DEP2	DEP2	N	DEB	N	N

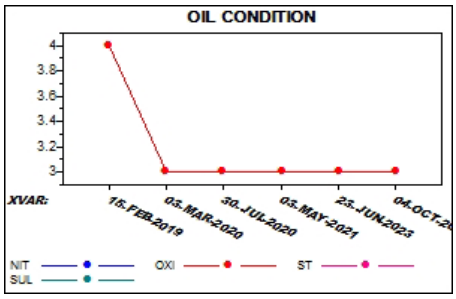
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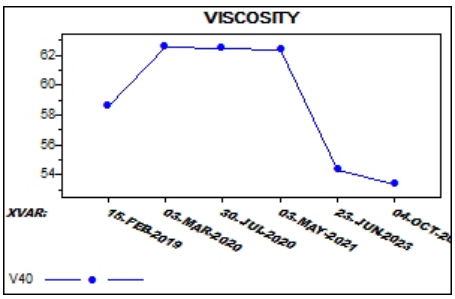
HYDRAULIC SYSTEM
SERIAL NUMBER: A8J04050
EQUIP NUM: L13
CAT 980H_CAT

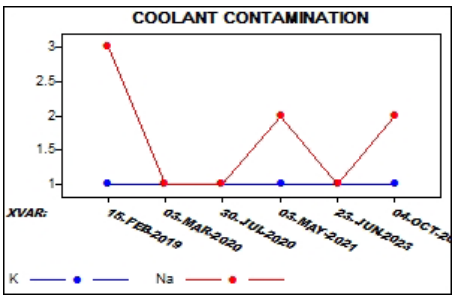
T010-54283-0310
No Action Required

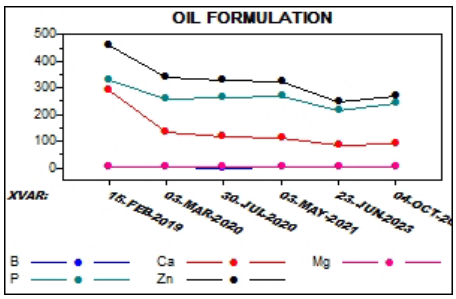












Report Comment

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TRANSMISSION POWER SHIFT | **EQUIP NUM: L13** | **SERIAL NUMBER: A8J04050**

CAT 980H_CAT

T010-54283-0314

SAMPLE SHIP TIME (days) : 5

LOCAL MIX QUARRIES PTY LTD

LOCATION: ANAKIE

RECEIVED DATE: 09-Oct-24

No Action Required

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

Interp By: Barry Swindells

Interpreted On: 11-Oct-24

SAMPLE INFORMATION

Sampled Date	04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
Sample Id	T010-54283-0314	T010-53180-0111	T010-51126-0628	T010-50217-0214
Lab Date	09-Oct-24	29-Jun-23	06-May-21	04-Aug-20
Meter [Hr]	21000	20500	20000	19500
Comp Meter [Hr]	21000			
Meter On Fluid	1000	500	1000	500
Fluid Brand	HI-TEC	HI-TEC	HI-TEC	HI-TEC
Fluid Weight	30	30	30	30
Fluid Type	TRANS	TRANS	TRANS	TRANS
Fluid Change	Y	N	Y	N
Filter Change	Y	N	Y	N
Make Up Fluid [L]				0
	0	0	0	

WEAR LEVELS / ADDITIVES

		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]					
Cu	Copper	13	7	12	11
Fe	Iron	14	8	10	7
Cr	Chromium	0	0	0	0
Al	Aluminum	3	2	3	2
Pb	Lead	1	0	0	0
Sn	Tin	0	0	1	0
Si	Silicon	9	5	7	6
Na	Sodium	3	3	4	2
K	Potassium	1	1	1	0
Mo	Molybdenum	1	0	0	0
Ni	Nickel	0	0	0	0
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	2183	1860	2013	1895
P	Phosphorus	1068	962	1060	982
Zn	Zinc	1334	1163	1262	1181
Mg	Magnesium	6	5	7	7
Ba	Barium	0	0	0	0
B	Boron	3	1	1	0

PREVIOUS SAMPLE

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

For additional sample history, go to: S.O.S WEB

CONDITION / CONTAMINATION

		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
VISCOSITY (CENTISTOKES) ASTM D445					
V40	Viscosity at 40 C	90.03	89.91	86.3	88.2
INFRARED (UFM) ASTM E2412					
OXI	Oxidation	2	2	2	2
WATER - HOTPLATE					
W	Water	N	N	N	N

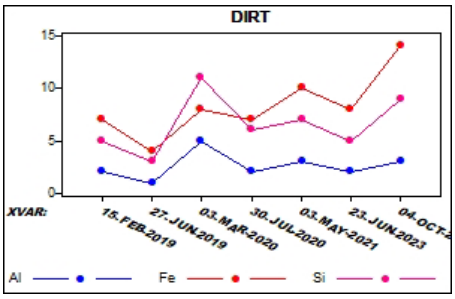
CLEANLINESS

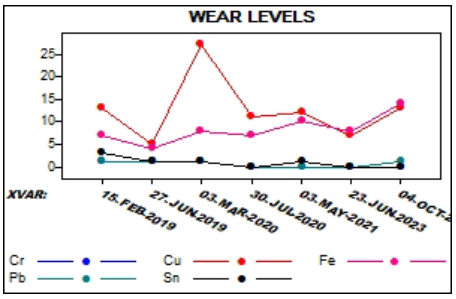
		04-Oct-24	23-Jun-23	03-May-21	30-Jul-20
PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406					
ISO	ISO Code Rating	23/22/17	23/22/18	24/23/19	24/23/18
4µ	4µ	62183	69459	109255	115877
6µ	6µ	26023	32923	55556	59787
14µ	14µ	1243	2263	4168	1964
FERROUS DEBRIS					
PQI	PQ Index	0	0	8	6
VISUAL INSPECTION					
DEP	DEP	N	A1	B1	B1
DEP2	DEP2	N	MAG	DEB	DEB

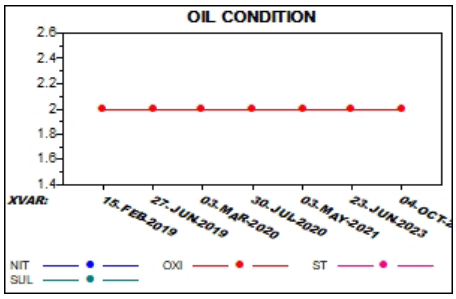
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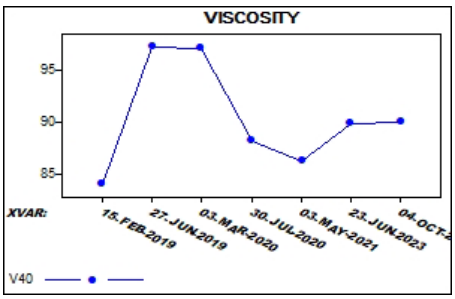
TRANSMISSION POWER SHIFT
SERIAL NUMBER: A8J04050
EQUIP NUM: L13
CAT 980H_CAT

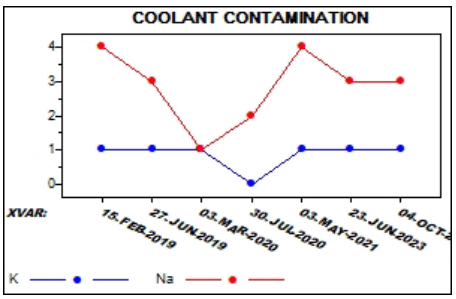
T010-54283-0314
No Action Required

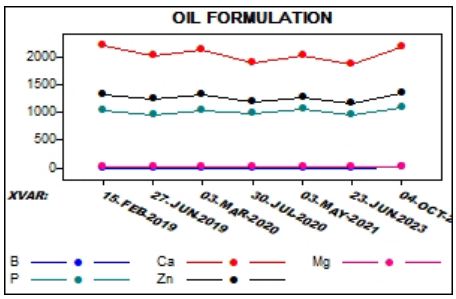












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