

## PLANT MAINTENANCE RECORD

Asset No. .... **A5398** .....

PURCHASE DATE		25/6/21	DESCRIPTION	PADFOOT ROLLER	REG No.
MODEL	CP76 B	BUILT			
SERIAL NO.	57600184	OIL ENGINE		OIL DRUM	
ENGINE NO.	E7A 43463	OIL HYDRAULICS		OIL TORQUE DRUM	
VIN NO.	CA7CP76BU57600184	OIL TRANSMISSION		COOLANT	
		OIL DIFFERENTIAL			
		OIL FINAL DRIVE			
FILTER ENGINE		TYRE FRONT		PRESSURE	
ENGINE BYPASS		TYRE REAR	23.1 x 26	PRESSURE	
FILTER HYDRAULICS		BATTERY			
AXLE BREATHER					
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					

DATE	DETAILS	Km/Hours	DATE	DETAILS	Km/Hour
20/9/21	PAUL MINES, CARPET CUT INITIAL 250 HR	240 HRS			
23/10/21.	HEATH/ BRUNO , CARPET CUT 500 HR SERVICE.	499.			
28/11/22	LUCAS CAMPBELL - 250 HR SERVICE	1271HRS			
4/6/22	LUCAS CARRY OUT \$500HR SERVICE	1530HRS			
12/3/22	SCOTT/ HEATH, 1000 HR SERVICE.	1032 HRS			
6/2/22	SCOTT - 250 HR SERVICE	752 HRS.			
2/3/22	SCOTT/ HEATH - CARPET CUT 1000 HR SERVICE.	1032			
15/22	SCOTT, CARPET CUT 250 HR SERVICE	1271 HRS			
24/6/22.	LUCAS CAMPBELL, CARPET CUT 500HR SERVICE.	1521 HRS			
16/9/22	RHIS GARNER, CARPET CUT 250HR SERVICE.	1750 HRS.			
22/3/23	BEN LEHMAN, CARPET CUT 2000 HR SERVICE	2048 HRS			
5/10/23	JAMES NICOLAS - SWAPPY, CARPET CUT 500HR	2534			
2.2.25	PHIL. 250 HR SERVICE	2863			
9.25	CRANK/PHIL CHANGE AND OIL.	2,875			



ENGINE

EQUIP NUM: AS398

SERIAL NUMBER: J7600184

CAT CP76B

No Action Required

Interp By: Hon Yin Tham  
Interpreted On: 20-Feb-25

T010-55049-0413

SAMPLE SHIP TIME (days) : 6

BAYPORT PLANT HIRE PTY LTD

LOCATION: H.VILLAGE

RECEIVED DATE: 18-Feb-25

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

SAMPLE INFORMATION

	12-Feb-25	13-Oct-23	15-Apr-23	16-Sep-22
Sampled Date	12-Feb-25	13-Oct-23	15-Apr-23	16-Sep-22
Sample Id	T010-55049-0413	T010-53299-0801	T010-53129-0434	T010-52293-9001
Lab Date	18-Feb-25	26-Oct-23	09-May-23	20-Oct-22
Meter [Hr]	2863	2539.0	2048.0	1750.0
Comp Meter [Hr]	2863			
Meter On Fluid	324.0	491.0	518.0	220.0
Fluid Brand	ELF	ELF	ELF	ELF
Fluid Weight	15W-40	15W-40	15W-40	15W-40
Fluid Type	PERF PRO 1000	DEO ULS	DEO ULS	DEO ULS
Fluid Change	Y	Y	Y	N
Filter Change	Y	Y	Y	N
Make Up Fluid []	2			
Total Fluid Added	2	0	0	0

PREVIOUS SAMPLE

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

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

CONDITION / CONTAMINATION

		12-Feb-25	13-Oct-23	15-Apr-23	16-Sep-22
<b>VISCOSITY (CENTISTOKES) ASTM D445</b>					
V100	Viscosity at 100 C	13.80	14.05	13.80	13.80
<b>VISCOSITY (CENTISTOKES) ASTM D445</b>					
V40	Viscosity at 40 C	105.3	108.2	106.8	105.8

VISCOSITY INDEX

VI	Viscosity Index	131	130	129	131

WEAR LEVELS / ADDITIVES

		12-Feb-25	13-Oct-23	15-Apr-23	16-Sep-22
<b>ELEMENTAL ANALYSIS (PPM) ASTM D6185 (OIL) / ASTM D6130 (COOLANT)</b>					
Cu	Copper	5	7	9	4
Fe	Iron	14	15	16	6
Cr	Chromium	0	1	1	0
Al	Aluminum	3	3	2	2
Pb	Lead	1	0	0	0
Sn	Tin	1	0	0	0
Si	Silicon	4	3	3	2
Na	Sodium	3	3	4	3
K	Potassium	1	2	2	0
Mo	Molybdenum	105	93	96	90
Ni	Nickel	1	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	2552	2307	2290	2095
P	Phosphorus	1181	956	1027	994
Zn	Zinc	1413	1283	1251	1150
Mg	Magnesium	22	43	9	8
Ba	Barium	0	0	0	0
B	Boron	31	25	23	48

INFRARED (UFM) ASTM E2412

		12-Feb-25	13-Oct-23	15-Apr-23	16-Sep-22
ST	Soot	16	19	18	6
OXI	Oxidation	16	18	17	13
SUL	Sulfate By-Product	22	22	21	19
	Sulfur Products	22	22	21	19
NIT	Nitration	0	0	11	9

WATER - HOTPLATE

W	Water	N	N	N	N

FUEL DILUTION (SCREEN)

F	Fuel	N	N	N	N

FUEL DILUTION (%) ASTM D7593

PfC	Percent Fuel	<2	<2	<2	<2

CLEANLINESS

		12-Feb-25	13-Oct-23	15-Apr-23	16-Sep-22
<b>FERROUS DEBRIS</b>					
PQI	PQ Index	0	0	0	0

HYDRAULIC SYSTEM

EQUIP NUM: AS398

SERIAL NUMBER: J7600184

CAT CP76B

No Action Required

Interp By: Tom Cokalis  
Interpreted On: 01-Nov-23

T010-53299-0706

SAMPLE SHIP TIME (days) : 13

BAYPORT PLANT HIRE PTY

LTD

LOCATION: LILYDALE

RECEIVED DATE: 26-Oct-23

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

SAMPLE INFORMATION

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
Sampled Date	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
Sample Id	T010-53299-0706	T010-53129-0507	T010-52214-0301	T010-52129-0704
Lab Date	26-Oct-23	09-May-23	02-Aug-22	09-May-22
Meter [Hr]	2539.0	2048.0	1530.0	1271.0
Meter On Fluid	2539.0	2048.0	1530.0	1271.0
Fluid Brand	CAT	CAT	CAT	CAT
Fluid Weight	10W	10W	10W	10W
Fluid Type	HYDO ADV	HYDO ADV	HYDO ADV	HYDO ADV
Fluid Change	N	N	N	N
Filter Change	N	Y	N	N
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

For additional sample history, go to: [my.cat.com](http://my.cat.com)

CONDITION / CONTAMINATION

		13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
<b>VISCOSITY (CENTISTOKES) ASTM D445</b>					
V40	Viscosity at 40 C	40.93	40.47	42.25	42.27

INFRARED (UFM) ASTM E2412

		13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
OXI	Oxidation	4	3	4	5

WEAR LEVELS / ADDITIVES

		13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
<b>ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]</b>					
Cu	Copper	2	2	8	9
Fe	Iron	5	4	9	8
Cr	Chromium	0	0	0	0
Al	Aluminum	0	0	0	0
Pb	Lead	0	0	1	1
Sn	Tin	0	0	0	0
Si	Silicon	0	1	2	2
Na	Sodium	1	1	1	0
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	369	385	134	147
P	Phosphorus	631	688	605	647
Zn	Zinc	851	889	803	882
Mg	Magnesium	1	1	3	3
Ba	Barium	0	0	0	0
B	Boron	1	0	0	0

WATER - HOTPLATE

		13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
W	Water	N	N	N	N

CLEANLINESS

		13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
<b>PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406</b>					
ISO	ISO Code Rating	18/14/10	17/14/10	19/14/10	18/14/10
4µ	4µ	1414	1109	2731	1309
6µ	6µ	147	151	103	102
14µ	14µ	5	7	5	5

FERROUS DEBRIS

		13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
PQI	PQ Index	0	0	0	0

VISUAL INSPECTION

		13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
DEP	DEP	N	N	N	N
DEP2	DEP2	N	N	N	N



DRUM DRIVE GEAR BOX

EQUIP NUM: AS398

SERIAL NUMBER: J7600184

FRONT

CAT CP76B

No Action Required

Interp By: Tom Cokalis

Interpreted On: 01-Nov-23

T010-53299-0735

SAMPLE SHIP TIME (days) : 13

BAYPORT PLANT HIRE PTY

LTD

LOCATION: LILYDALE

RECEIVED DATE: 26-Oct-23

OIL CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

**SAMPLE INFORMATION**

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
Sampled Date	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
Sample Id	T010-53299-0735	T010-53129-0522	T010-52214-0422	T010-52129-0547
Lab Date	26-Oct-23	09-May-23	02-Aug-22	09-May-22
Meter [Hr]	2539.0	2048.0	1530.0	1271.0
Meter On Fluid	491.0	518.0	498.0	239.0
Fluid Brand	MOBIL	MOBIL	MOBIL	MOBIL
Fluid Weight	220-ISO	220-ISO	220-ISO	220-ISO
Fluid Type	SHC630	SHC630	SHC630	SHC630
Fluid Change	Y	Y	Y	N
Filter Change	NA	NA	NA	NA
Total Fluid Added	0	0	0	0

**PREVIOUS SAMPLE**

PQ APPEARS SLIGHTLY HIGH, 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. RESAMPLE IN 500 HOURS TO MONITOR.

For additional sample history, go to: [my.cat.com](http://my.cat.com)

**CONDITION / CONTAMINATION**

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
<b>VISCOSITY (CENTISTOKES) ASTM D445</b>				
V40 Viscosity at 40 C	208.2	203.8	215.6	216.8

**INFRARED (UFM) ASTM E2412**

OXI	Oxidation	3	4	3	3

**WEAR LEVELS / ADDITIVES**

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
<b>ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]</b>				
Cu Copper	3	6	8	6
Fe Iron	135	188	189	124
Cr Chromium	0	1	1	1
Al Aluminum	0	0	0	0
Pb Lead	0	0	0	0
Sn Tin	1	1	0	1
Si Silicon	23	27	29	24
Na Sodium	1	1	0	0
K Potassium	0	2	1	0
Mo Molybdenum	0	0	0	0
Ni Nickel	1	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	1	1	1	1
Cd Cadmium	0	0	0	0
Ca Calcium	3	8	8	9
P Phosphorus	307	361	397	353
Zn Zinc	4	7	6	5
Mg Magnesium	0	0	0	0
Ba Barium	0	0	0	0
B Boron	0	1	1	1

**WATER - HOTPLATE**

W	Water	N	N	N	N

**CLEANLINESS**

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22		
<b>PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406</b>						
ISO	ISO Code	Rating	23/18	23/19	24/21	24/20
6µ	6µ		46759	58983	84250	80330
14µ	14µ		1449	4571	10077	9200

**FERROUS DEBRIS**

PQI	PQ Index	176	303	272	106

**VISUAL INSPECTION**

DEP	DEP	A2	A2	A2	A1
DEP2	DEP2	M-D	M-D	M-D	M-D



VIBRATOR SUPPORT

HOUSING

T010-53299-0734

SAMPLE SHIP TIME (days) : 13

BAYPORT PLANT HIRE PTY LTD

LOCATION: LILYDALE

RECEIVED DATE: 26-Oct-23

EQUIP NUM: AS398

CAT CP76B



Monitor Compartment

SERIAL NUMBER: J7600184

Interp By: Tom Cokalis

Interpreted On: 01-Nov-23

OIL IS DARK & SAMPLE IS UNSUITABLE FOR PARTICLE COUNT. ALL OTHER TEST RESULTS APPEAR ACCEPTABLE. WE WILL MONITOR ACTIVITY OVER THE NEXT FEW SAMPLES. CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

SAMPLE INFORMATION

PREVIOUS SAMPLE

	13-Oct-23	15-Apr-23	06-Jul-22	12-Mar-22
Sampled Date	13-Oct-23	15-Apr-23	06-Jul-22	12-Mar-22
Sample Id	T010-53299-0734	T010-53129-0501	T010-52214-0420	T010-52087-1128
Lab Date	26-Oct-23	09-May-23	02-Aug-22	28-Mar-22
Meter [Hr]	2539.0	2048.0	1530.0	1032.0
Meter On Fluid	491.0	1016.0	498.0	1032.0
Fluid Brand	MOBIL	MOBIL	MOBIL	MOBIL
Fluid Weight	220-ISO	220-ISO	220-ISO	220-ISO
Fluid Type	SHC 630	SHC 630	SHC 630	SHC 630
Fluid Change	N	Y	N	Y
Filter Change	NA	NA	NA	NA
Total Fluid Added	0	0	0	0

OIL CONDITION SATISFACTORY. CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

For additional sample history, go to: [my.cat.com](http://my.cat.com)

CONDITION / CONTAMINATION

	13-Oct-23	15-Apr-23	06-Jul-22	12-Mar-22
<b>VISCOSITY (CENTISTOKES) ASTM D445</b>				
V40 Viscosity at 40 C	200.9	184.2	209.0	204.6
<b>INFRARED (UFM) ASTM E2412</b>				
OXI Oxidation	3	3	3	4

WEAR LEVELS / ADDITIVES

WATER - HOTPLATE

	13-Oct-23	15-Apr-23	06-Jul-22	12-Mar-22
<b>ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]</b>				
Cu Copper	0	0	0	0
Fe Iron	49	16	31	49
Cr Chromium	0	0	0	0
Al Aluminum	3	0	1	1
Pb Lead	0	0	0	0
Sn Tin	0	0	0	0
Si Silicon	12	23	29	28
Na Sodium	4	1	1	2
K Potassium	5	3	5	7
Mo Molybdenum	14	8	30	23
Ni Nickel	3	1	2	3
Ag Silver	0	0	0	0
Ti Titanium	2	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	1	0	0	0
Cd Cadmium	0	0	0	0
Ca Calcium	1470	3	5	10
P Phosphorus	744	362	387	361
Zn Zinc	863	14	16	17
Mg Magnesium	4	0	0	0
Ba Barium	0	0	0	0
B Boron	3	1	2	2

W Water	N	N	N	N
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CLEANLINESS

	13-Oct-23	15-Apr-23	06-Jul-22	12-Mar-22
<b>PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406</b>				
ISO ISO Code Rating	DARK	22/18	24/22	24/21
6µ 6µ		24031	93841	85054
14µ 14µ		1619	27184	14839

FERROUS DEBRIS

PQI PQ Index	14	4	16	8
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VISUAL INSPECTION

DEP DEP	DARK	A1	A1	D2
DEP2 DEP2	N	DEB	DEB	DEB

DIFFERENTIAL

EQUIP NUM: AS398  
CAT CP76B

SERIAL NUMBER: J7600184

No Action Required

Interp By: Tom Cokalis  
Interpreted On: 01-Nov-23

OIL CONDITION SATISFACTORY. CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

T010-53299-0733  
SAMPLE SHIP TIME (days) : 13  
BAYPORT PLANT HIRE PTY LTD  
LOCATION: LILYDALE  
RECEIVED DATE: 26-Oct-23

SAMPLE INFORMATION

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
Sampled Date	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
Sample Id	T010-53299-0733	T010-53129-0524	T010-52214-0421	T010-52129-0546
Lab Date	26-Oct-23	09-May-23	02-Aug-22	09-May-22
Meter [Hr]	2539.0	2048.0	1530.0	1271.0
Meter On Fluid	491.0	1016.0	498.0	239.0
Fluid Brand	CAT	CAT	CAT	CAT
Fluid Weight	30	30	30	30
Fluid Type	TDTO	TDTO	TDTO	TDTO
Fluid Change	N	Y	N	N
Filter Change	NA	NA	NA	NA
Total Fluid Added	0	0	0	0

PREVIOUS SAMPLE

OIL CONDITION SATISFACTORY. CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

For additional sample history, go to: [my.cat.com](http://my.cat.com)

CONDITION / CONTAMINATION

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
<b>VISCOSITY (CENTISTOKES) ASTM D445</b>				
V40 Viscosity at 40 C	92.79	92.06	93.98	95.49
<b>INFRARED (UFM) ASTM E2412</b>				
OXI Oxidation	3	4	3	3

WEAR LEVELS / ADDITIVES

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22
<b>ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]</b>				
Cu Copper	12	29	23	0
Fe Iron	40	75	49	43
Cr Chromium	0	1	1	1
Al Aluminum	1	1	1	1
Pb Lead	0	2	0	0
Sn Tin	0	1	0	0
Si Silicon	4	5	5	4
Na Sodium	2	1	0	0
K Potassium	0	2	1	0
Mo Molybdenum	0	2	1	1
Ni Nickel	1	0	0	0
Ag Silver	0	0	0	0
Ti Titanium	0	0	0	0
V Vanadium	0	0	0	0
Mn Manganese	1	1	1	1
Cd Cadmium	0	0	0	0
Ca Calcium	2386	2033	2096	2123
P Phosphorus	1020	1396	1536	1153
Zn Zinc	1081	1127	1138	1167
Mg Magnesium	8	6	6	7
Ba Barium	0	0	0	0
B Boron	1	2	2	3

WATER - HOTPLATE

W	Water	N	N	N	N

CLEANLINESS

	13-Oct-23	15-Apr-23	06-Jul-22	04-May-22	
<b>PARTICLE COUNT - ISO 11171:1999 reported per ISO 4406</b>					
ISO	22/16	22/17	23/17	22/16	
6µ	25858	37008	50050	34795	
14µ	392	905	927	402	
<b>FERROUS DEBRIS</b>					
PQI	PQ Index	15	22	11	12
<b>VISUAL INSPECTION</b>					
DEP	DEP	C1	A1	N	N
DEP2	DEP2	DEB	DEB	N	N

RADIATOR

EQUIP NUM: AS398

SERIAL NUMBER: J7600184

CAT CP76B

**No Action Required**

Interp By: Barry Swindells

Interpreted On: 31-Oct-23

T010-53299-2044

SAMPLE SHIP TIME (days) : 13

BAYPORT PLANT HIRE PTY LTD

LOCATION: LILYDALE

RECEIVED DATE: 26-Oct-23

COOLANT CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

**SAMPLE INFORMATION**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
Sample Date	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
Sample Id	T010-53299-2044	T010-53129-2026	T010-52293-2029	T010-52257-2030
Lab Date	26-Oct-23	09-May-23	20-Oct-22	14-Sep-22
Meter [Hr]	2539.0	2048.0	1750.0	1710.0
Meter On Fluid	2539.0	2048.0	1750.0	1710.0
Fluid Brand	CAT	CAT	CAT	CAT
Fluid Weight				
Fluid Type				
Fluid Change	N	N	N	N
Filter Change	NA	NA	N	N
Total Fluid Added	0	0	0	0

**PREVIOUS SAMPLE**

COOLANT CONDITION SATISFACTORY, CONTINUE SAMPLING AT THE RECOMMENDED INTERVAL.

For additional sample history, go to: [my.cat.com](http://my.cat.com)

**ADDITIONAL CHARACTERISTICS**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
<b>ION CHROMATOGRAPHY (PPM) ASTM D4327</b>				
CL Chloride	10	6	4	2
SO4 Sulfate	65	51	55	62

**ADDITIONAL ANALYTES**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
TH Total Hardness	12	13	11	16

**CORROSION LEVELS/ CHEMISTRY**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
<b>ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]</b>				
Cu Copper	1	1	1	2
Fe Iron	0	0	0	0
Pb Lead	0	0	0	0
Sn Tin	1	0	0	0
Al Aluminum	1	1	1	1
Zn Zinc	0	0	0	1
Na Sodium	3297	3460	2816	3503
K Potassium	50	87	40	58
Mo Molybdenum	513	548	447	556

**REFRACTIVE INDEX**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
GL Glycol (%)	52	47	52	53
FP Freeze Point (°C)	-41	-34	-41	-42
BP Boil Point (°C)	108	106	108	108

**pH**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
pH pH	7.4	7.6	7.6	7.4

**CONDUCTIVITY (µS/cm)**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
CON Conductivity	3325	3243	4055	3684

**PHYSICAL CHARACTERISTICS**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
<b>PHYSICALS</b>				
Color Color	orange	orange	orange	red
App Appearance	clear	clear	clear	clear
Odor Odor	norm	norm	norm	norm
Oil Oil	none	none	none	none
Foam Foam	norm	norm	norm	norm
PAmt Precip Amount	none	trace	trace	trace
PApp Precip Appearance	N/A	granular	flake	granular
PCol Precip Color	N/A	blk sol	blk sol	blk sol
PProp Precip Property	N/A	non-mag	non-mag	non-mag

**ION CHROMATOGRAPHY (PPM) ASTM D4327**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
NO2 Nitrite	326	332	307	247
NO3 Nitrate	110	123	127	171
GLO Glycolate	478	671	538	452

**ADDITIONAL ANALYTES**

	13-Oct-23	15-Apr-23	16-Sep-22	02-Sep-22
MoO4 Molybdate	854	913	745	927
BO3 Borate	0	3	0	1
SiO3 Silicate	22	23	17	22

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DATE	FITTERS NAME	WORK DETAILS	
15/6/21	SCOTT	MACHINE DELIVERED TO SITE, KINLEY ALTITUDE. FIT ASSET NUMBER <b>DETAILS</b> ETC.	
13/8/21	SCOTT / RONNY	REMOVE REAR L/H TIRE, DEGRADED AFTER BEING RECED BY SHARP OBJECT. CONVEY TO WIDEBREAD TIRES WHO STRIPPED / PATCHED TIRE. LEFT TO MACHINE CARRY OUT INITIAL <b>250 HR SERVICE</b>	143 HRS
10/9/21	PAUL HINES	<b>CARRY OUT A 500h - SERVICE REPLACE CLEANER</b> B.A.S.	133419.240
2/10/21	HEATH / BRAND	REPLACE FRONT AND REAR DRUM <b>CLEANER BARS</b> .	133824
18/10/21	<del>SCOTT</del> RONNY PPKO.	REMOVE DEGRADED TIRE, POSITION #3 AND CONVEY TO WIDEBREAD FOR REPAIR.	224 HRS
21/9/21	SCOTT / RONNY	REPAIR: REFT TIRE TO MACHINE. MACHINE BROUGHT OUT OF PIT. FILL TIRE POS #3 WITH WATER, RE-TORQUE WHEEL NUTS.	167 HRS
3/9/21	ADAM RUBER / RONNY	REMOVE REAR TIRE, POS #3 RE TIRE DEGRADED. CONVEY TO WIDEBREAD FOR REPAIR. REFT TO MACHINE.	179 HRS
11/9/21	LUCAS CAMPBELL.	REMOVE REAR TIRE, POS #3 RE TIRE DEGRADED.	193 HRS.
5/9/21	JOHN BROWN / SCOTT.	COLLECT TUBE FROM FIRST FREDDIES IN HETZELVILLE. JOHN FITTED TUBE TO TIRE POS #3. REFILL WITH WATER.	B33636
23/9/21	HEATH / RONNY	FRONT CLEANER BARS LOOSE, FEEL GUT CAUSING CLEANER BAR BRACKET TO COME ADRIFT FROM MACHINE, TORE L/H'S MOUNT. REMOVE CLEANER BAR IN PIT AND GA MACHINE TO WORKSHOP. <b>CLEANER BAR REPAIRED</b> TO KEEP MACHINE CONT. RETURNED TO MACHINE WITH NEW HARDWARE	369 HRS.
11/10/21	HEATH WATHEAS / PAUL CANNON.	REPLACE LEAKING REAR DIF <b>PINION SEAL</b> . WARRANTY.	WARRANTY
22/10/21	SCOTT.	REPLACE RU RUBBER <b>DRUM DRIVE ISCATERS</b> . CARRY OUT <b>500 HR SERVICE</b> .	499 HRS
21/2/21	HEATH.	INSPECT MACHINE w FOOD AIRCON PERFORMANCE. CONVEY GUAGES - APPEAR OK. BLAUW CUT CAB AIR CLEANER + TEST (OIL)	
10/11/22	WILLIAM ADAMS.	CHECK G.P.S SCREEN & NOT LIGHTING UP - SCREEN FAILED, CHASE REPLACEMENT.	537 HRS.

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DATE	FITTERS NAME	WORK DETAILS	
3/12/21	LUCAS	COMPLETED 250HR SERVICE, REPAIRED BENT BELLY PLATE	756 HRS.
3/14/22	LUCAS	COMPLETED 250 HR SERVICE	1271,
1/6/22	LUCAS.	COMPLETED 500 HR SERVICE, REPLACED BOLT IN BELLY PLATE	1530 HRS
27/11/22	BEN-WILLIAM I ADAMS.	REPLACED REAR SCRAPPER BARS ON-SITE TO REPLACE G.P.S SCREEN. NO SOFTWARE, DID NOT HAVE MOUNTING BAIL FROM OLD SCREEN WITH HIM.	
2/2/22.	WILLIAMS-WILLIAM ADAMS HARRI-WILLIAM ADAMS	ATTEND SITE AT UDDALE, FIT AND CONFIGURE NEW G.P.S SCREEN. - WAPPANTY. INSPECT MACHINE IN POOR AIRCON. REPAIR UPS, REPAIRED ORIFICE TUBE, ACCUMULATOR DRIER AND CONDENSER. (TEMPERATURE DROP TOO LARGE PRESS CONDENSER, BLOCKED). REPAIRS + TEST (OIL)	822 HRS
11/2/22			924 HRS WAPPANTY.
12/2/22	SOB VOGEL-WADAMS	REPLACE DRUM DRIVE RUBBER ISOLATORS. FIT NEW SOCKET TO G.P.S ANTENNA CABLE. FIELD SERVICE B34577 PARTS -	954 HRS B34554.
12/3/22	SCOTT./HARRI WADAMS	SWAP OVER FAULTY G.P.S MEDIUM. CARPET OIL 1000 HR SERVICE. F/SERVICE 34850.	1032 HRS B34851.
24/3/22	LUCAS CAMPBELL.	FIT PRESSURE SENSORS AND DATA LOGGER UNIT TO RECORD INTERMPTION	1098 HRS.
25/3/22	MICHAEL WIS, HARRI MATTHEWS	RELATING TO PUMP FAILURES PUNCTURE POS # 4, REMOVE WHEEL, DROP DOWN TO WIRETHREAD IN PUNCTURE REPAIR.	1144 HRS. B35147
2/4/22.	SCOTT.		
6/4/22.	SCOTT.	FILL TIRE WITH WATER, REPLACE DRUM CLEANER BARS AS NECESSARY.	1145 HRS.
24/6/22	LUCAS CAMPBELL.	CARPET OIL 500 HR SERVICE	1521 HRS.
25/6/22	SCOTT.	REPLACE CLEANER BARS	1521 HRS.
15/7/22.	LUCAS CAMPBELL.	REPLACE RUBBER DRUM ISOLATORS.	1574 HRS.
20/7/22.	SCOTT.	FIT NEW R/H WINDOW TO MACHINE, REPAIRED FEAR FROM. PS428; NEW HANDLE, LATCHES ETC, GLUE ON HANDLE.	1593 HRS. B35878.
30/8/22	RHYS CARPNER/SCOTT	INSPECT MACHINE IN MOTOR HYDRAULIC OIL LEAK, HOSE 480-3841 BROWN OIL TO RUBBED THROUGH ON EDGE OF FRAME. FIT NEW HOSE MADE UP BY WILLIAM ADAMS	1730 HRS. WAPPANTY

DATE	FITTERS NAME	WORK DETAILS	
31/8/22	RHS CARDER	CAPPY CUT 250 HR SERVICE.	1730 HRS.
1/9/22	SCOTT.	INSPECT MACHINE w/ PROPER ISSUE. CONFIRM MAIN HYDRAULIC PUMP FAILURE.	1714 HRS.
8/9/22	JOHN BROWN RETIRE.	REMOVE WHEEL POSITION # 4 w/ PUNCTURED TIRE, TIRE HAD A 20mm CUT. FIT SECOND HAND TIRE FROM BAYPORT STOCK OF SIMILAR TREAD DEPTH, OLD TIRE TAKEN BY JOHN FOR REPAIR.	1714 HRS.
10/9/22	SOE VEGA, TOM	REPAIR MAIN HYDRAULIC PUMP w/ PUMP FAILURE. SHAFT AGAIN BROKEN, CALIBRATE SYSTEM.	1714 HRS.
10/9/22	WILLIAM ADAMS.	FIT NEW BONNEY STRIKER DUE TO OLD ITEM MISSING.	B36597.
16/9/22	SCOTT.	CAPPY CUT 250 HR SERVICE.	B36597.
16/9/22	RHS CARDER.	FIELD SERVICE B36630.	1750 HRS.
19/9/22.	HERN MATHIAS, RHS	REMOVE VIBE PUMP REPAIR VALVES. DRCP DOWN PRESSURES AS PER SPECHT ENGINEERING INSTRUCTION FROM CAT.	1750 HRS.
29/9/22	(PARNER - WADAMS.	RE-ADJUST VIBE PUMP REPAIR VALVES AGAIN AFTER FURTHER INDICATION FROM CAT.	1755 HRS.
13/10/22.	HERN/ SOE CARDER-WADAMS	SENT OUT BY CAT TO INVESTIGATE WITH PRODUCT LINK NOT WORKING. MACHINE HAD BEEN REPAID UP AND ISOLATED - NIL FAULT.	1756 HRS.
5/11/22	SCOTT.	CRAMP ANTENNA TERMINAL BEK ON TO CABLE AT MEDEM.	1774 HRS.
18/11/22	SCOTT.	DEBAIN WATER FROM WATER SEPARATOR.	1785 HRS.
30/11/22	SCOTT.	REGS AIRCON re ROD PERFORMANCE, RECEIVER RETRICEPANT (ONLY 640 grams), REGS AND CHECK PERFORMANCE (OK), INSPECT re COZANT LEAK, REAR OF HEATER BOX, TUBE SAUBATED, BYPASS / JOIN HOSES TOGETHER AT HEATER BOX.	1823 HRS.
2/3/22.	SCOTT.	STRAICHTEN BENY REPAIR VIEWS MIRROR BRACKET,	1940 HRS.
8/3/22	SCOTT.	FIT MEDIUM (G.P.S) FROM RECEIVED DAWN 8545 DUE TO MEDIUM NOT COMMUNICATING.	1958 HRS.
14/3/23.	SCOTT.	REPLACE DAMAGED L/H MIRROR BRACKET # 378-8004, AND MR MIRROR 220-4050.	1991
16/3/23	SCOTT.	SUPPLIATION BENY BRACKET WHICH IS WEEDED TO L/HF ROPS PULAR.	1998 HRS.
27/3/23	SCOTT.	CHECK AIRCON, CAB FILTER BLOCKED, FIT NEW CAB FILTER.	2033 HRS.
		INSPEZ MACHINE re HYDRAULIC OIL LEAK, DRUM REPAIR CASE DEBAIN HOSE 385-4543 DAMAGED/BLOWN. REPAIR HOSE.	

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DATE	FITTERS NAME	WORK DETAILS	
13/11/23	SCOTT / RONNY	REMOVE FRONT COUNTERWEIGHT, CLEANER BARS ETC. BEGIN CUTTING OFF WORN CUT PADS. CUT OFF ALL PADS, WELD ON NEW UNITS.	2068 HRS
27/11/23	SEAN BROWN / SCOTT	SUPPLY AND FIT TWO NEW REAR TIRES. FILL WITH WATER AND RE-INSTATE. TOP UP HYDRAULIC OIL NO VISIBLE LEAKS.	2097 HRS
20/11/23	SCOTT.	INSPECT MACHINE w/ NO VIBE FUNCTION. CONFIRM NO VIBE, PUMP SHUT NOT BROKEN, NO ACTIVE FAULT CODES. BRNG MACHINE CUT OF HOSE.	
23/11/23	SEAN WOOD	INSPECT MACHINE w/ INTERMITTENT VIBES, VIBE WORKING, UNABLE TO FAULT.	2240 HRS
29/11/23	REBE NEWLAND	W/ INSPECT w/ NO VIBE, CONFIRM MACHINE FAULT, PRESSURES OK, STRAYING ON RELIEF BUT NO VIBE FUNCTION. ESTABLISH PROBLEM EXISTS IN ECCENTRIC WEIGHT HOUSINGS. REMOVE DRUM AND STRIP, NO OIL IN LH ECCENTRIC HOUSING, OIL HAS PUSHED PAST SEAL INTO DRUM, BEARING HAS SEIZED, PREVENTING VIBE FROM WORKING. ECCENTRIC WEIGHTS CONVERTED TO WILHELM ADAMS SPE SHOP FOR REPAIR HOSES TO VIBE MOTOR DAMAGED FROM IMPACT WITH ROCKS. NEW UNITS ORDERED	2257 HRS
1/12/23	SCOTT.	REMOVE BENT REAR CLEANER BAR AND CONVEY TO DOZER WELD TOR STRAIGHTENING.	B 39553.
6/12/23	LACHLAN BROWN - WARDMAN	REFT REBUILD ECCENTRIC WEIGHT HOUSINGS TO DRUM, REFT DRUM TO MACHINE. FIT REAR CLEANER BAR HANGING BRACKET TO MACHINE, REPLACE DRUM CLEANER BARS. REPLACE DAMAGED HOSES.	2257 HRS
31.1.24	CRALIG.	FIT PADLOCK TO HYD TANK CAP AND FIT DEER LOCK TO FOOT PILLER DOOR. (S/HAND)	B39592.
16.2.24	CRALIG	TOP UP COOLANT 2 litres inspect for leaks. tighten hose clamp on rad bleed line. Check hyd oil OK. Inspect for hyd leaks, noted leak at Flywheel housing.	2,760h.
25-11-23	Bayport Recreational Services	Supply of a New Front Window	B40594
28.2.24	CRALIG	Found the two heater hoses from the cyl head back to the first yamer beside the engine had both rubbed through to the fabric braiding. Fitted new hose clamps and ties. Pressure test OK	2,764 B41136

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DATE	FITTERS NAME	WORK DETAILS	
20-5-24	Dennan Tyres	Went out to Service Rinses and did a P/R to LH Rear	BAYBTS
15-11-24	CRAIG	Replace missing master key, grease steering pins, re fit wiring in <b>hitch hose area</b> , R/H had belt to <b>air cond cover</b> at second belt temporary to replace missing head belt.	2849 B4262
30-1-25	CRAIG	Brief inspection of machine. Replace missing <b>cab in</b> <b>hitch</b> bolt on cover. Refit hitch safety pin, <b>retainers</b> and cable tie. Grease steering.	2,860. B4262.
2-2-25	CRAIG	Added <b>5 litres</b> of hydraulic oil, system found to be low below sight glass	2,860
12-2-25	Phil	H. Urethane <b>750 hr Service</b> : Connected on for Mount Rinses. Extra to Service - GUNNEN ONE OR FILTER + new fuel filters. <b>Belly</b> <b>Leaks</b> . LH Rear Mount TAB BROKEN - Used Repair TAB + Genex on RH side, STRENGTHEN	2863
26-2-25	Phil	RETURN + REPT B/GUARD. <b>Drum</b> <b>Scanners</b> ADJUST 3 R/H FRONT - TOO LOOSE TO DRUM. <b>Brake</b> <b>Hub</b> Repair done FRONT RHP and HEICIT.	342893
2-9-25	CHRIST PHIL	Machine came to workshop for check over and repairs. The machine was washed. The <b>propel system</b> <b>hyd pump</b> was leaking oil from the input shaft seal. Removed cabin, repaired hyd pump. Removed <b>input shaft seal</b> , seal leaked oil, but metal found between seal and bearing. Sent pump to Atlas Hydraulic. The pump was dismantled it was found that the 1429439 bearing on the input shaft had failed. A <b>NEW SH/DAMAGED</b> 4587912 Pump Groove was found in kilobate Stock, this pump was partially dismantled if was found the drive end housing on this pump had been broken internally when it was dropped. A burn was removed from the shaft and the pump was re assembled by ATLAS using the SH drive end housing <b>from the older pump,</b>	28754 B4354 SEE PHOTO B4360

DATE	FITTERS NAME	WORK DETAILS
2.9.15	CRAGG + PHIL ATLAS HYDRAULIC	and measuring all other components from the newer pump. The vibration pump was stripped, inspected and reassembled as it was. The fittings and gaskets to the pump were resealed, B4354 the drive shaft and mounting plate refitted and the pump installed case drains filled and charge circuit pre-lubed. The <b>drive</b>
	* William Adams CORTESE - NO CHARGE	* <b>motor case drains</b> were checked for metals, but none was found. The <b>PROPEL SYSTEM</b> was calibrated by William Adams. The machine tested in the car park and it appears OK. Machine was put on stands and the cleaner bar assemblies dropped for this. The <b>propel hose LHS front frame</b> was re-lubing the frame was ground and hose protected. The <b>cabin</b> was cleaned out, various missing screws were replaced. <b>Front cleaner bars</b> were adjusted. The radiators were cleaned. A <b>water in fuel</b> warning was on the dash board a new <b>6415407</b> fuel/water sensor was fitted. A new <b>3652985</b> <b>eng oil drive belt</b> was fitted. The air load <b>A/C compressor</b> was found to be leaking gas at front seal, a new <b>NON GEN STANZEN</b> compressor was supplied and fitted by KENT Air/Auto Electrical. Daily check kept maintained. The <b>RHS B4358</b>
	KENT Air/Auto ELECTRICAL	<b>Window back hatch</b> was adjusted and lubed. The wiring on the burner support was replaced. The <b>vibration action</b> was tested in Hi and lo speed, appears OK. A <b>new seat belt</b> was fitted due to the belt housing being damaged, part from str <b>The hyd oil filter</b> , and tank screen were inspected for metals all OK, a new filter fitted, screen cleaned and re sealed and new <b>hyd oil</b> used to refill tanks, prior to start up after pump change. A final inspection was completed. Filled <b>RHS rear tyre with water</b> , check water LHS PR.

