MOB LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
351040
Component
Diesel Engine
Fluid
PETRO CANADA SUPREME SYNTHETIC 5W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

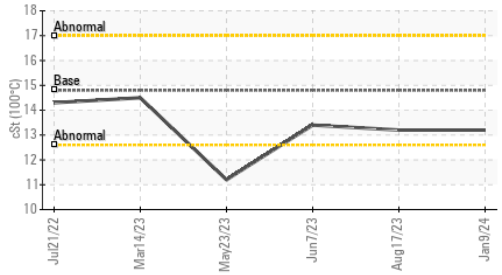
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC	PC0078051	PC0075319
Sample Date		Client Info		09 Jan 2024	17 Aug 2023	07 Jun 2023
Machine Age	kms	Client Info		0	197444	0
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>100	4	10	12
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	3	3
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>25	3	4	4
Potassium	ppm	ASTM D5185(m)	>20	<1	1	1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0.4	0.5
Nitration	Abs/cm	ASTM D7624*	>20	6.8	11.8	11.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.5	22.8	23.3
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		3	4	4
Boron	ppm	ASTM D5185(m)	190	42	38	43
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	79	56	66	73
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	564	1052	20	20
Calcium	ppm	ASTM D5185(m)	993	831	1951	2258
Phosphorus	ppm	ASTM D5185(m)	763	969	922	1067
Zinc	ppm	ASTM D5185(m)	835	1144	1064	1154
Sulfur	ppm	ASTM D5185(m)	2536	2731	3917	4109
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.2	21.7	21.0
Visc @ 40°C	cSt	ASTM D7279(m)	91.3	82.8	88.2	91.8
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	13.2	13.2	13.4
Viscosity Index (VI)	Scale	ASTM D2270*	170	161	150	146

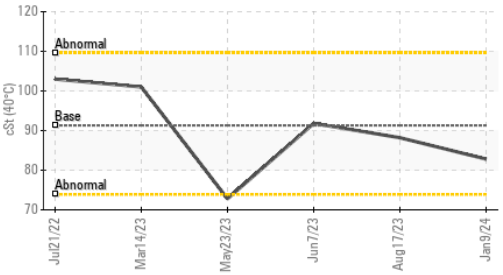
Report Id: GFL286 [WCAMIS] 02607728 (Generated: 01/11/2024 11:45:12) Rev: 1

Contact/Location: Bill Acton - GFL286

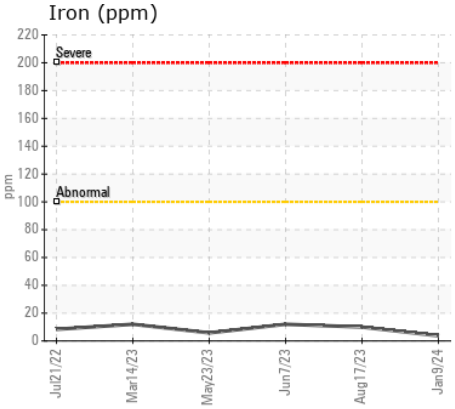
Viscosity @ 100°C



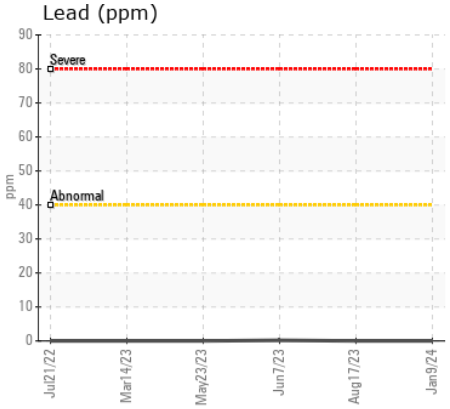
Viscosity @ 40°C



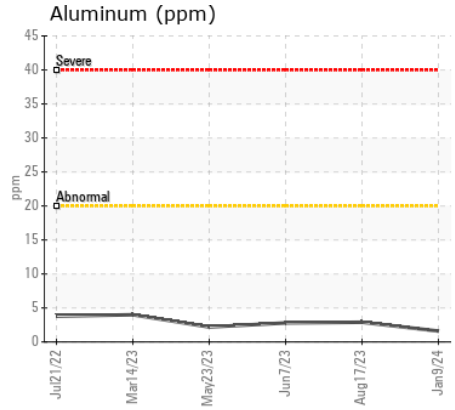
Iron (ppm)



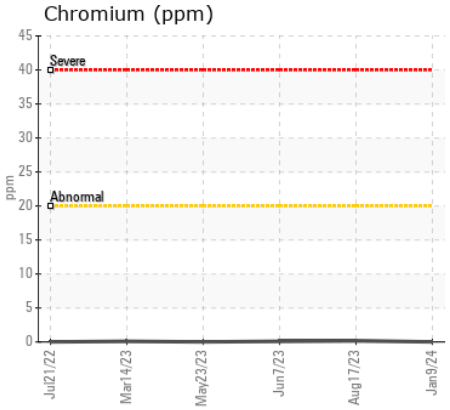
Lead (ppm)



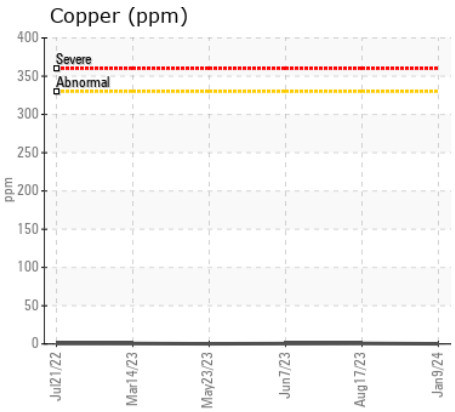
Aluminum (ppm)



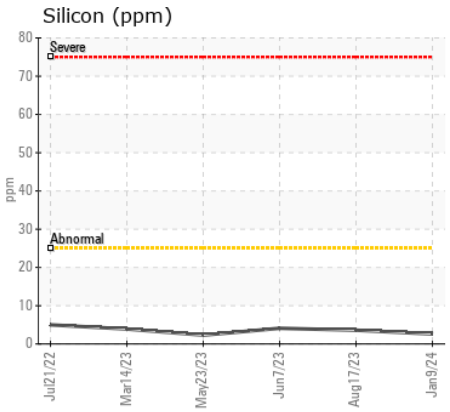
Chromium (ppm)



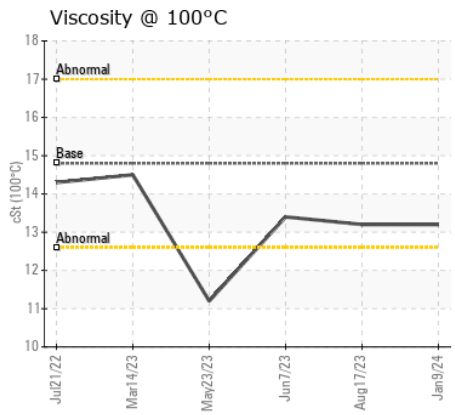
Copper (ppm)



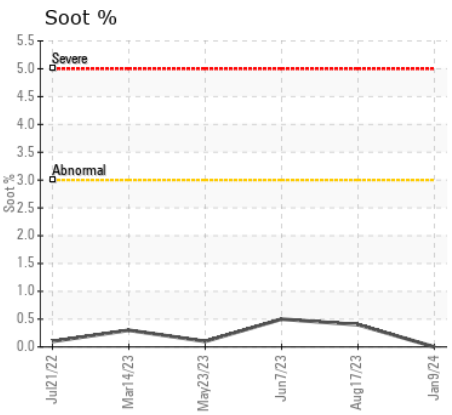
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02607728
Unique Number : 5708814
Test Package : MOB 1 (Additional Tests: KV40, VI)

Recieved : 10 Jan 2024
Diagnosed : 11 Jan 2024
Diagnostician : Wes Davis

Green Infrastructure and Partners Inc (GIPI) - 286 - Shoring & Foundations
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Stouffville, ON
CA L4A 2G8
Contact: Bill Acton
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T:
F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.