MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	ATTENTION

Machine Id
OR343
Component
Transmission (Auto)
Fluid
PETRO CANADA DURATRAN (--- GAL)

RECOMMENDATION

We advise that you check for the source of the coolant leak. We recommend that you drain the fluid from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with fluid. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. (Customer Sample Comment: Top Up Amount: 10)

WEAR

All component wear rates are normal.

CONTAMINATION

Test for glycol is positive. There is a light concentration of glycol present in the fluid.

FLUID CONDITION

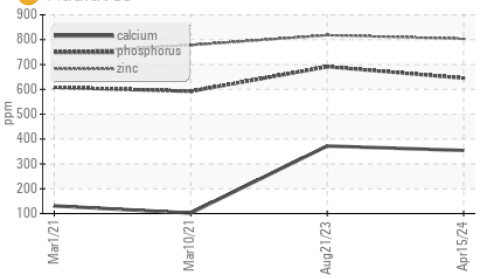
Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service. The fluid is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113342	GFL0092258	GFL0010815
Sample Date		Client Info		15 Apr 2024	21 Aug 2023	10 Mar 2021
Machine Age	hrs	Client Info		16058	15462	0
Oil Age	hrs	Client Info		12981	500	5
Filter Age	hrs	Client Info		12981	500	5
Oil Changed		Client Info		Oil Added	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	SEVERE
Iron	ppm	ASTM D5185(m)	>160	35	9	6
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>50	0	<1	<1
Lead	ppm	ASTM D5185(m)	>50	2	2	2
Copper	ppm	ASTM D5185(m)	>225	4	4	1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	0	1	3
Potassium	ppm	ASTM D5185(m)	>20	<1	1	▲ 13
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol	%	ASTM D7922*		▲ 0.024	▲ 0.046	▲ 0.871
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	▲ HAZY
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	▲ .5%
Sodium	ppm	ASTM D5185(m)		4	5	18
Boron	ppm	ASTM D5185(m)	110	8	11	10
Barium	ppm	ASTM D5185(m)	0.0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	0	<1	<1
Manganese	ppm	ASTM D5185(m)	1	<1	0	<1
Magnesium	ppm	ASTM D5185(m)	13	7	6	2
Calcium	ppm	ASTM D5185(m)	3610	354	372	102
Phosphorus	ppm	ASTM D5185(m)	1192	645	691	592
Zinc	ppm	ASTM D5185(m)	1455	803	818	778
Sulfur	ppm	ASTM D5185(m)	2641	1581	1534	1507
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	44.4	44.9	46.4

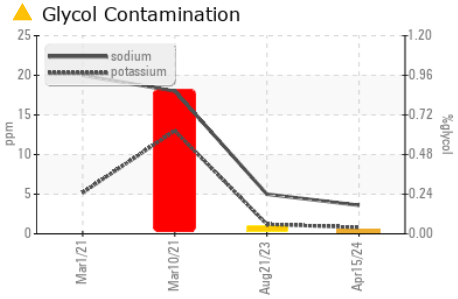
Report Id: GFL720 [WCAMIS] 02631035 (Generated: 04/24/2024 17:32:57) Rev: 1

Submitted By: Charles Bergeron

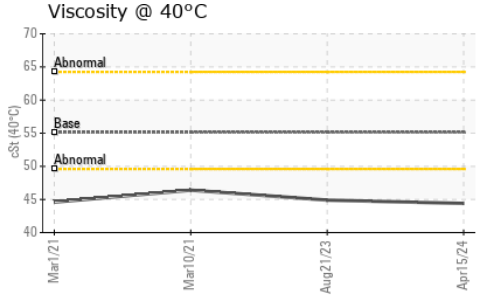
Additives



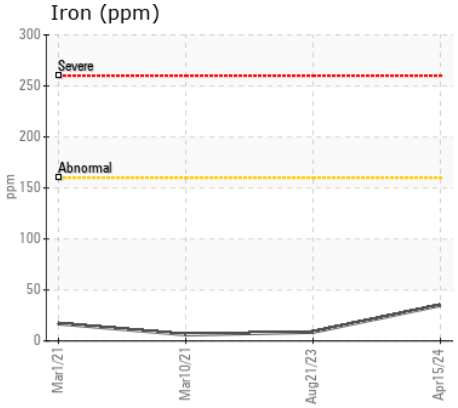
Glycol Contamination



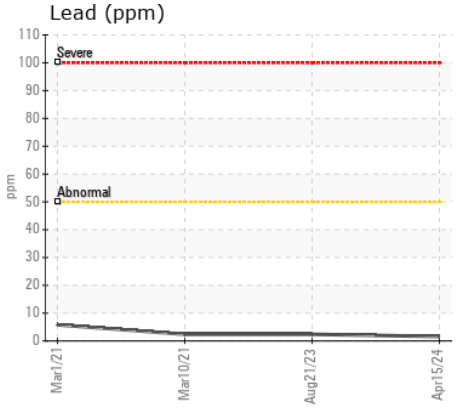
Viscosity @ 40°C



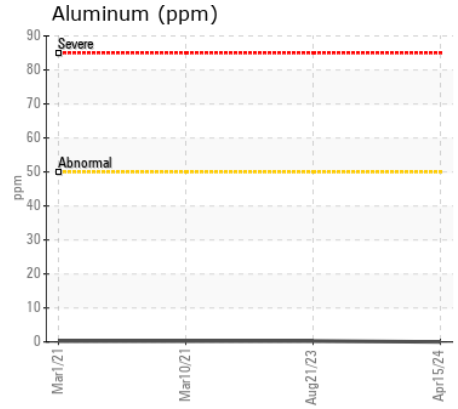
Iron (ppm)



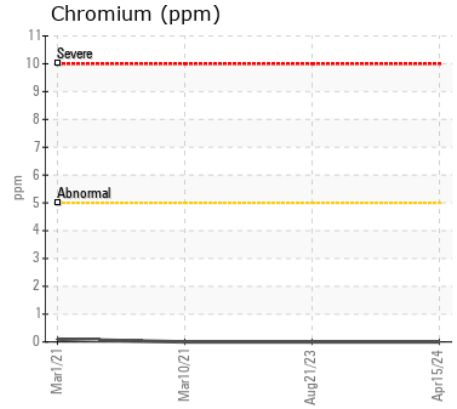
Lead (ppm)



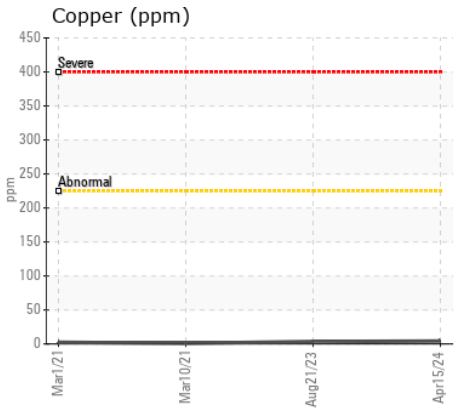
Aluminum (ppm)



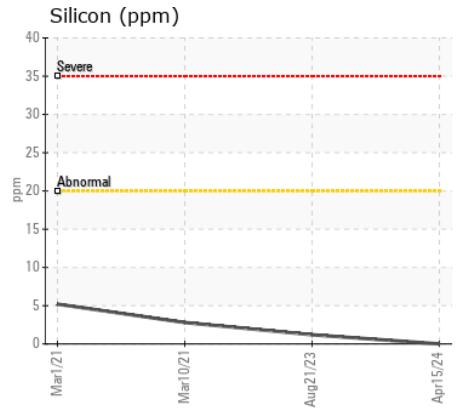
Chromium (ppm)



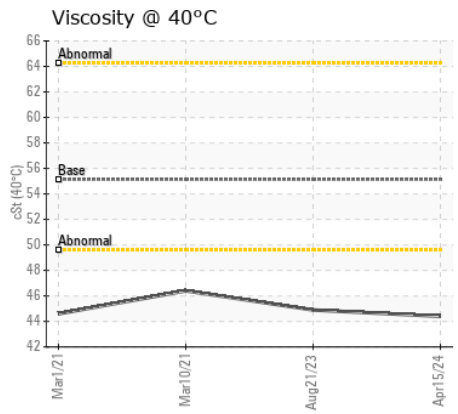
Copper (ppm)



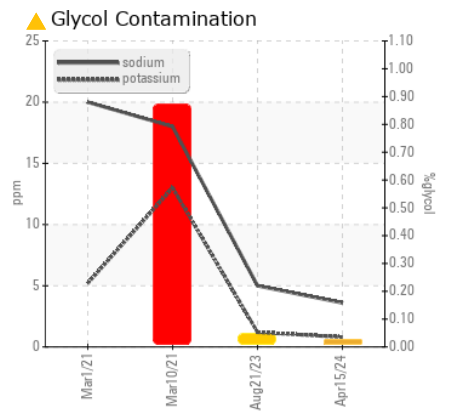
Silicon (ppm)



Viscosity @ 40°C



Glycol Contamination



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113342
Lab Number : 02631035
Unique Number : 5772188
Test Package : MOB 1

Received : 23 Apr 2024
Tested : 24 Apr 2024
Diagnosed : 24 Apr 2024 - Kevin Marson

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.

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