MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
0142
Component
Gasoline Engine
Fluid
PUREZONE 5W30 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

Lead ppm levels are abnormal. Bearing wear is indicated.

CONTAMINATION

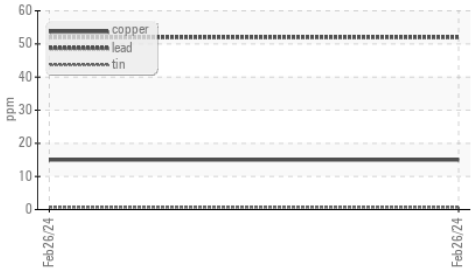
There is no indication of any contamination in the oil.

FLUID CONDITION

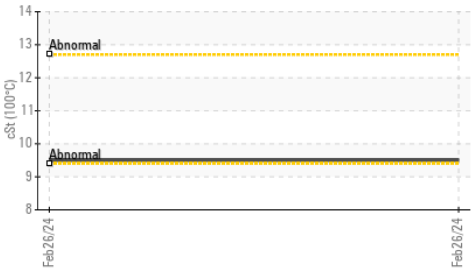
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0038126	---	---
Sample Date		Client Info		26 Feb 2024	---	---
Machine Age	kms	Client Info		233533	---	---
Oil Age	kms	Client Info		8000	---	---
Filter Age	kms	Client Info		8000	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>150	110	---	---
Chromium	ppm	ASTM D5185(m)	>20	4	---	---
Nickel	ppm	ASTM D5185(m)	>5	2	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>40	16	---	---
Lead	ppm	ASTM D5185(m)	>50	▲ 52	---	---
Copper	ppm	ASTM D5185(m)	>155	15	---	---
Tin	ppm	ASTM D5185(m)	>10	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Silicon	ppm	ASTM D5185(m)	>30	19	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	11.3	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.0	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)	>400	10	---	---
Boron	ppm	ASTM D5185(m)		14	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		59	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)		462	---	---
Calcium	ppm	ASTM D5185(m)		1009	---	---
Phosphorus	ppm	ASTM D5185(m)		565	---	---
Zinc	ppm	ASTM D5185(m)		663	---	---
Sulfur	ppm	ASTM D5185(m)		1626	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		9.5	---	---

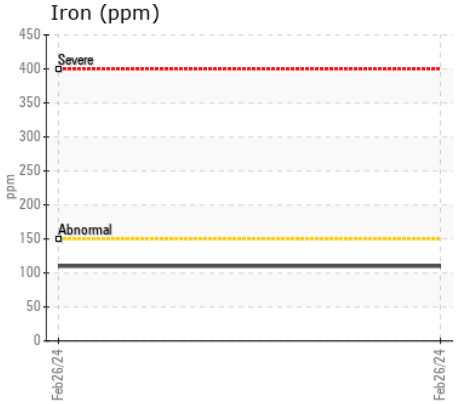
Non-ferrous Metals



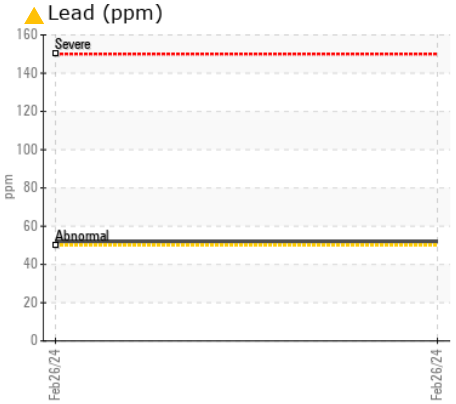
Viscosity @ 100°C



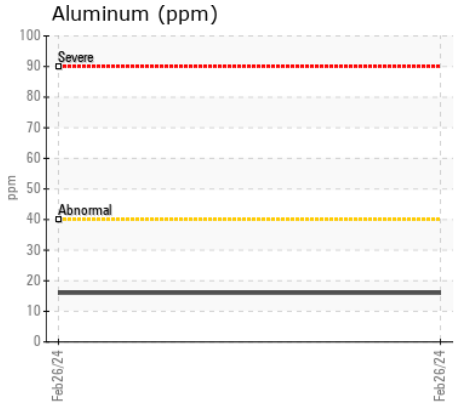
Iron (ppm)



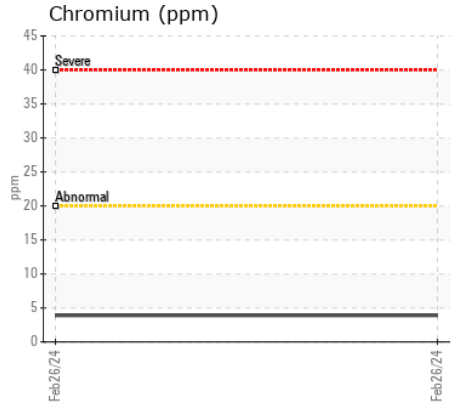
Lead (ppm)



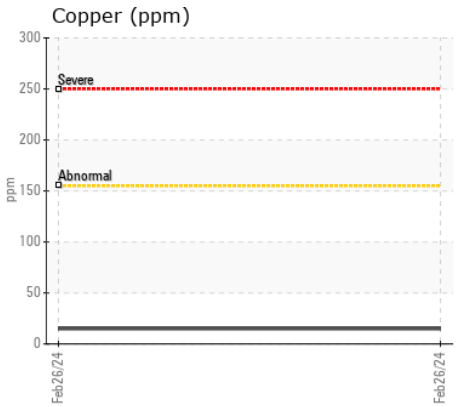
Aluminum (ppm)



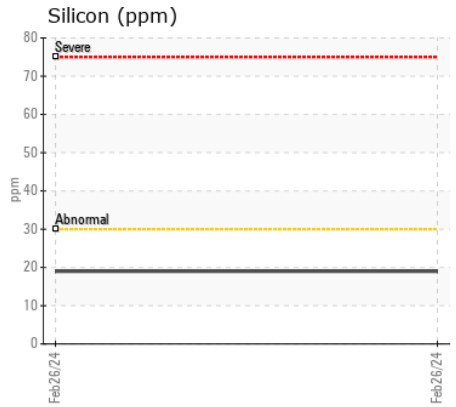
Chromium (ppm)



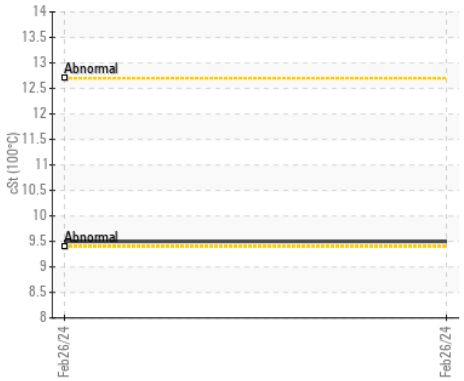
Copper (ppm)



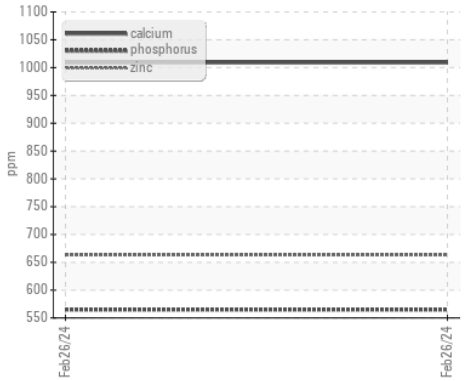
Silicon (ppm)



Viscosity @ 100°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: GFL0038126	**Received**	: 01 Mar 2024
Lab Number	: 02619254	**Tested**	: 01 Mar 2024
Unique Number	: 5736364	**Diagnosed**	: 01 Mar 2024 - Kevin Marson
Test Package	: MOB 1		

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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