MOB I LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
519004
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.

FLUID CONDITION

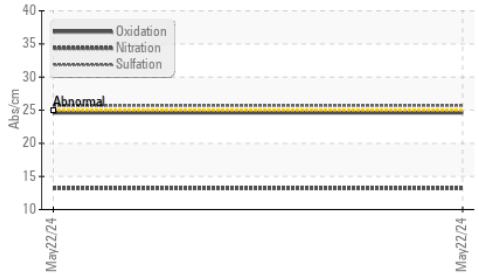
Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107929	---	---
Sample Date		Client Info		22 May 2024	---	---
Machine Age	kms	Client Info		5311	---	---
Oil Age	kms	Client Info		400	---	---
Filter Age	kms	Client Info		400	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>127	19	---	---
Chromium	ppm	ASTM D5185(m)	>3	<1	---	---
Nickel	ppm	ASTM D5185(m)	>30	0	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>59	<1	---	---
Lead	ppm	ASTM D5185(m)	>29	3	---	---
Copper	ppm	ASTM D5185(m)	>135	<1	---	---
Tin	ppm	ASTM D5185(m)	>2	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Silicon	ppm	ASTM D5185(m)	>18	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel	%	ASTM D7593*	>2.0	0.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0.3	---	---
Nitration	Abs/cm	ASTM D7624*	>20	13.2	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.7	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)	>158	5	---	---
Boron	ppm	ASTM D5185(m)	250	2	---	---
Barium	ppm	ASTM D5185(m)	10	0	---	---
Molybdenum	ppm	ASTM D5185(m)	100	70	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)	450	1136	---	---
Calcium	ppm	ASTM D5185(m)	3000	1236	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	1162	---	---
Zinc	ppm	ASTM D5185(m)	1350	1365	---	---
Sulfur	ppm	ASTM D5185(m)	4250	2594	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ 12.5	---	---

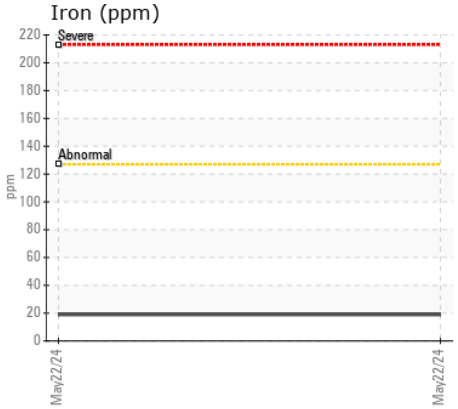
Viscosity @ 100°C

Fuel Dilution

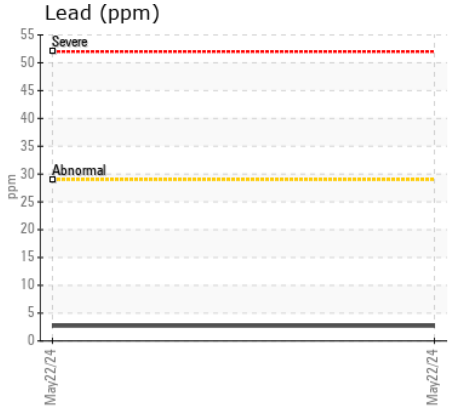
FT-IR (Direct Trend)



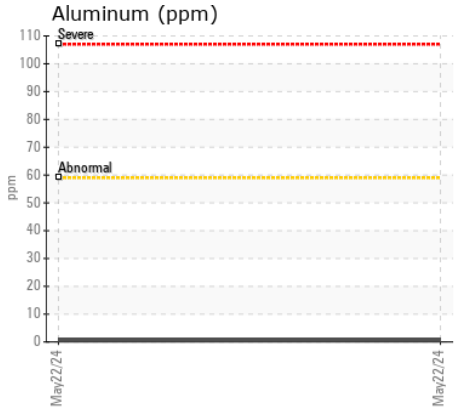
Iron (ppm)



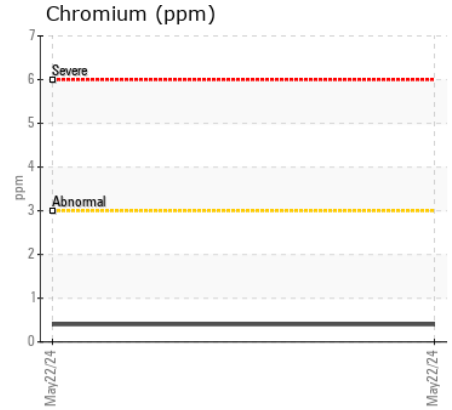
Lead (ppm)



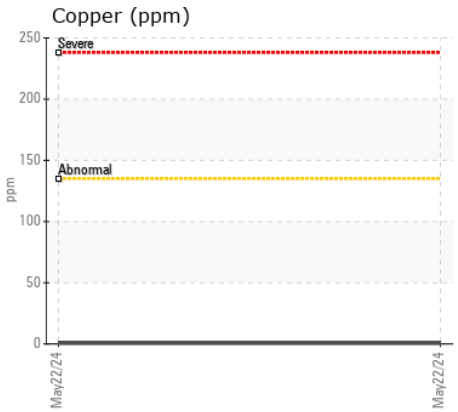
Aluminum (ppm)



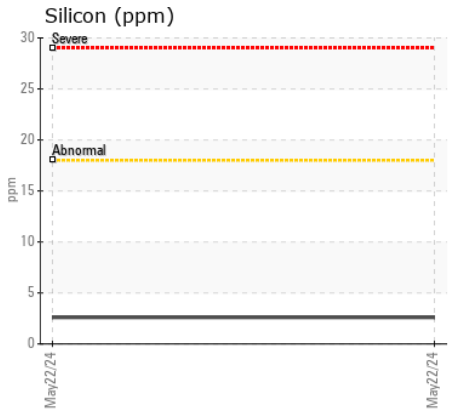
Chromium (ppm)



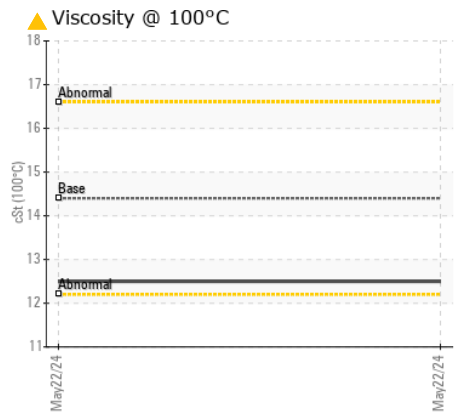
Copper (ppm)



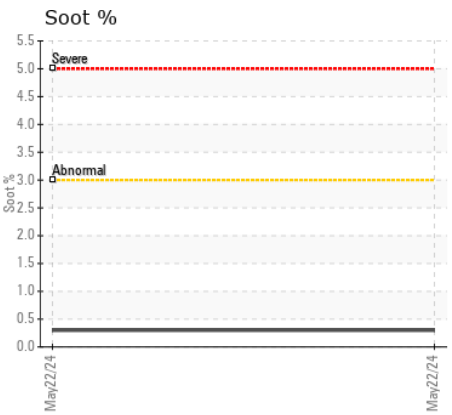
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107929
Lab Number : 02638356
Unique Number : 5787518
Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel)

Received : 29 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 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.

GFL Environmental - 350 - Emeral Park Regina
2B Industrial Drive,, Great Plains Industrial Park,
Emerald Park, SK
CA S4L 1B6
Contact: Kim Cunningham
kcunningham@gflenv.com
T:
F: