MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GFL218
Machine Id
833050
Component
Natural Gas Engine
Fluid
NOT GIVEN (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

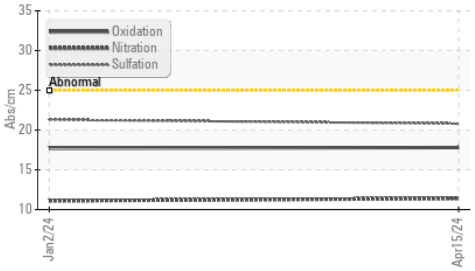
There is no indication of any contamination in the oil.

FLUID CONDITION

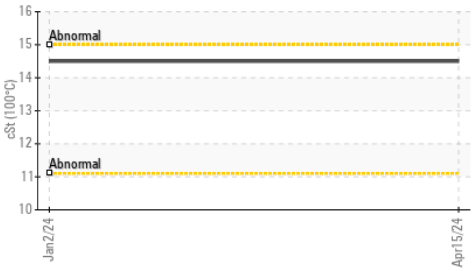
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0118293	GFL0107857	---
Sample Date		Client Info		15 Apr 2024	02 Jan 2024	---
Machine Age	kms	Client Info		9103	9104	---
Oil Age	kms	Client Info		0	0	---
Filter Age	kms	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>50	10	15	---
Chromium	ppm	ASTM D5185(m)	>4	0	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>9	2	2	---
Lead	ppm	ASTM D5185(m)	>30	0	<1	---
Copper	ppm	ASTM D5185(m)	>35	3	5	---
Tin	ppm	ASTM D5185(m)	>4	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Silicon	ppm	ASTM D5185(m)	>+100	2	6	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	ASTM D7844*		0.5	0	---
Nitration	Abs/cm	ASTM D7624*	>20	11.4	11.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.8	21.3	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		8	7	---
Boron	ppm	ASTM D5185(m)		8	8	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		50	53	---
Manganese	ppm	ASTM D5185(m)		<1	1	---
Magnesium	ppm	ASTM D5185(m)		552	512	---
Calcium	ppm	ASTM D5185(m)		1476	1484	---
Phosphorus	ppm	ASTM D5185(m)		634	633	---
Zinc	ppm	ASTM D5185(m)		871	854	---
Sulfur	ppm	ASTM D5185(m)		1938	2094	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.8	17.7	---
Visc @ 100°C	cSt	ASTM D7279(m)		14.5	14.5	---

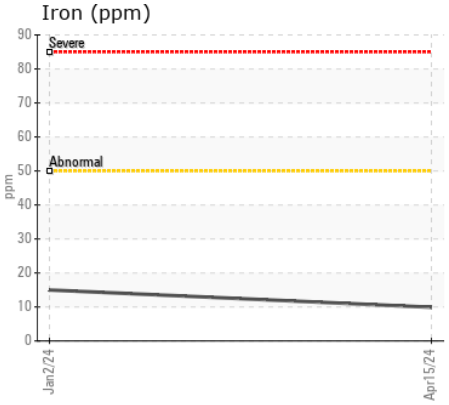
FT-IR (Direct Trend)



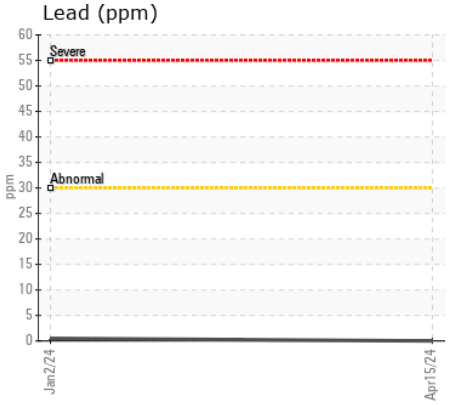
Viscosity @ 100°C



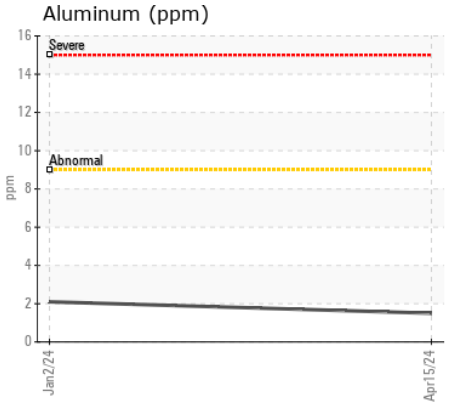
Iron (ppm)



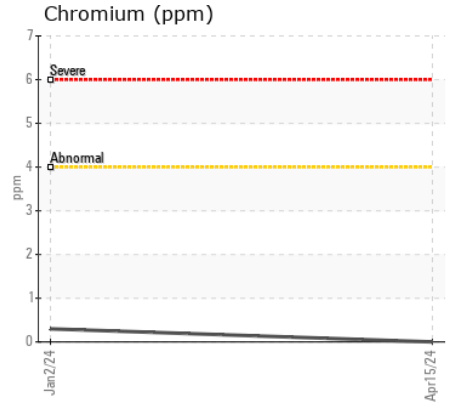
Lead (ppm)



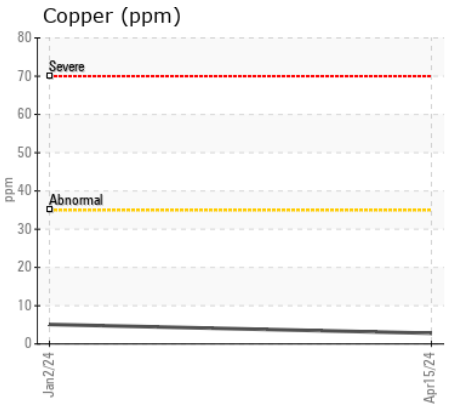
Aluminum (ppm)



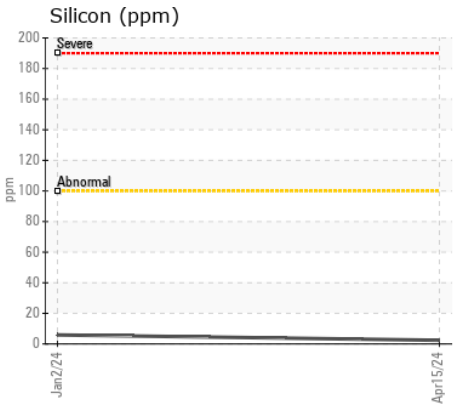
Chromium (ppm)



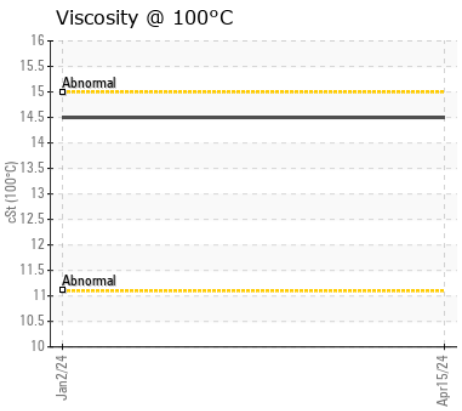
Copper (ppm)



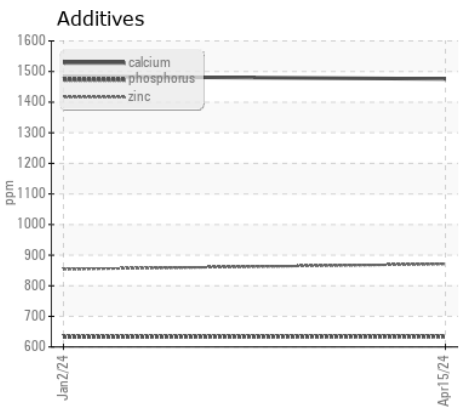
Silicon (ppm)



Viscosity @ 100°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0118293
Lab Number : 02629845
Unique Number : 5762977
Test Package : MOB 1

Received : 18 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Wes Davis

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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