



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
101065
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0108233	GFL0006011	---
Sample Date		Client Info		19 Mar 2024	06 Aug 2020	---
Machine Age	hrs	Client Info		13464	6961	---
Oil Age	hrs	Client Info		593	600	---
Filter Age	hrs	Client Info		593	600	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	8	18	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	1	3	---
Lead	ppm	ASTM D5185(m)	>40	<1	<1	---
Copper	ppm	ASTM D5185(m)	>330	<1	6	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

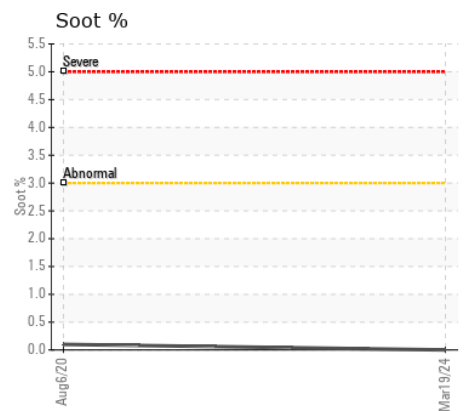
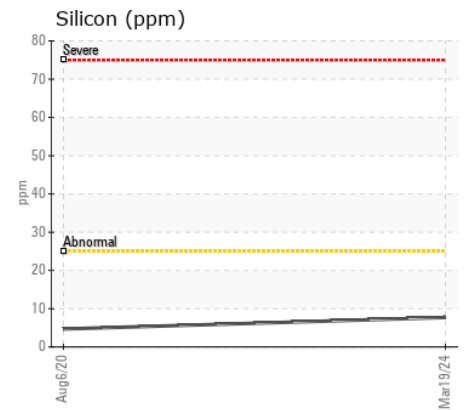
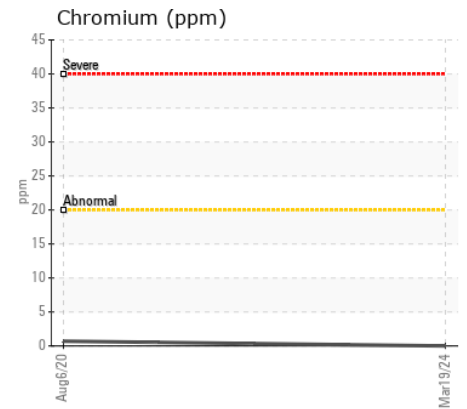
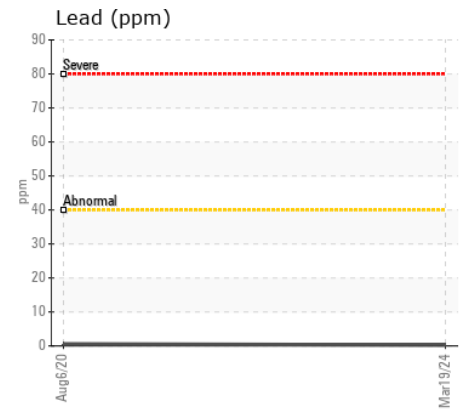
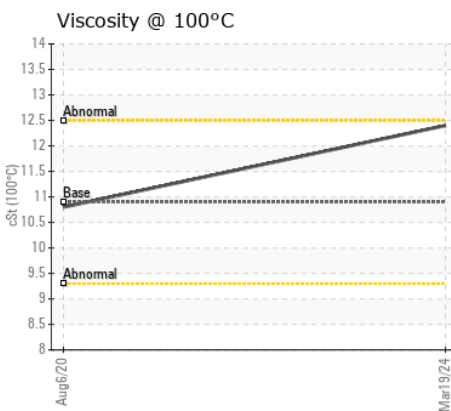
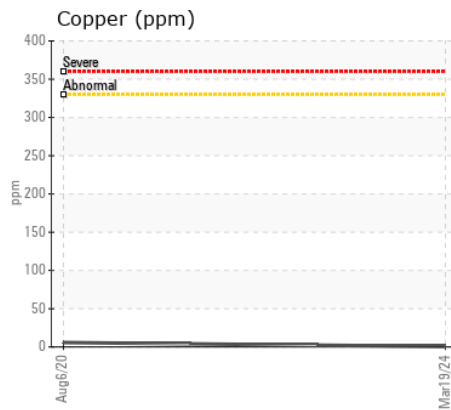
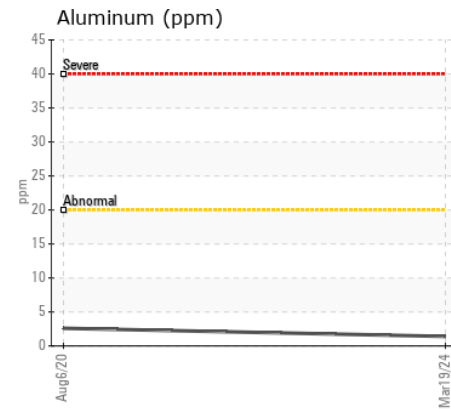
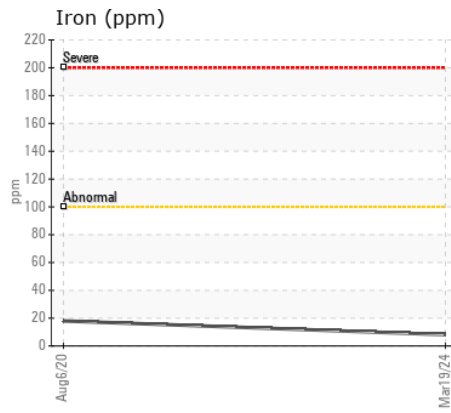
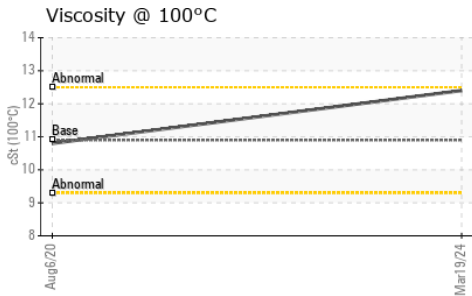
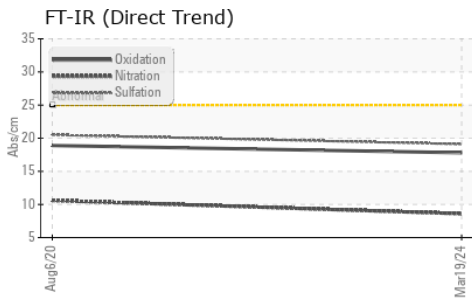
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	8	5	---
Potassium	ppm	ASTM D5185(m)	>20	2	8	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	8.6	10.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.1	20.5	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	<1	---
Boron	ppm	ASTM D5185(m)	250	2	4	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	62	55	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	450	1042	909	---
Calcium	ppm	ASTM D5185(m)	3000	1119	1272	---
Phosphorus	ppm	ASTM D5185(m)	1150	1025	1001	---
Zinc	ppm	ASTM D5185(m)	1350	1245	1221	---
Sulfur	ppm	ASTM D5185(m)	4250	2459	2460	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.8	18.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	12.4	10.8	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0108233
Lab Number : 02628119
Unique Number : 5761251
Test Package : MOB 1

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 CA S7K 3J7
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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.