



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
GFL218
Machine Id
734006
Component
Diesel Engine
Fluid
NOT GIVEN (26 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0125815	GFL0113180	---
Sample Date		Client Info		07 Jun 2024	22 Feb 2024	---
Machine Age	kms	Client Info		12637	7260	---
Oil Age	kms	Client Info		7259	0	---
Filter Age	kms	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>80	11	32	---
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>2	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>30	1	3	---
Lead	ppm	ASTM D5185(m)	>30	0	1	---
Copper	ppm	ASTM D5185(m)	>150	3	11	---
Tin	ppm	ASTM D5185(m)	>5	<1	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

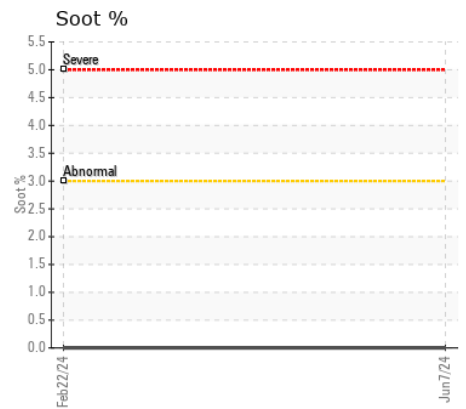
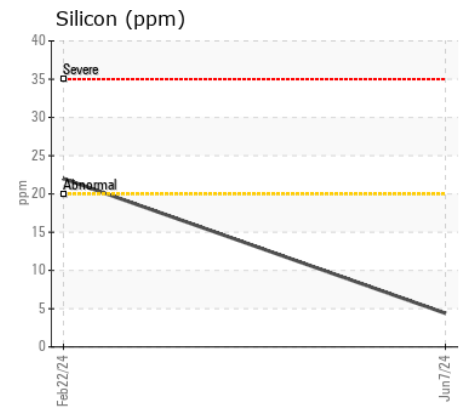
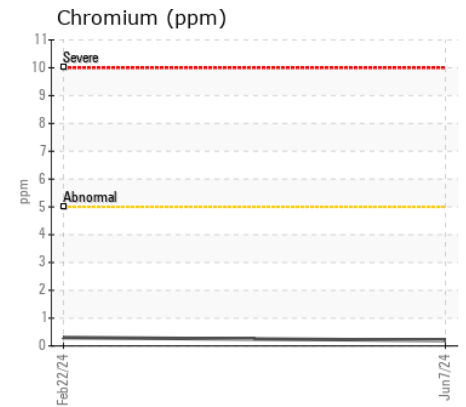
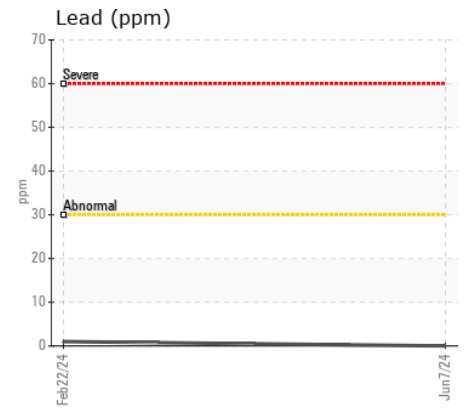
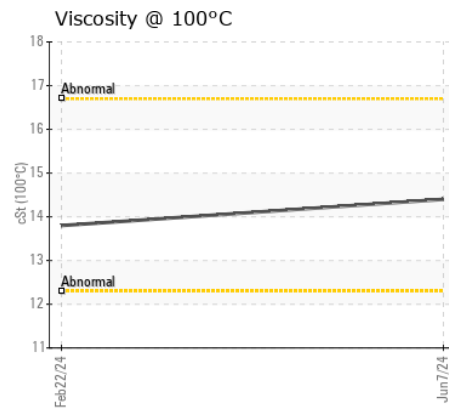
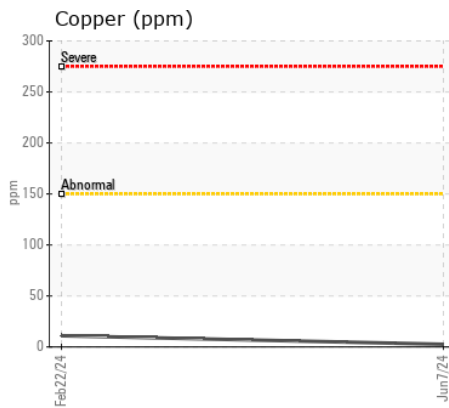
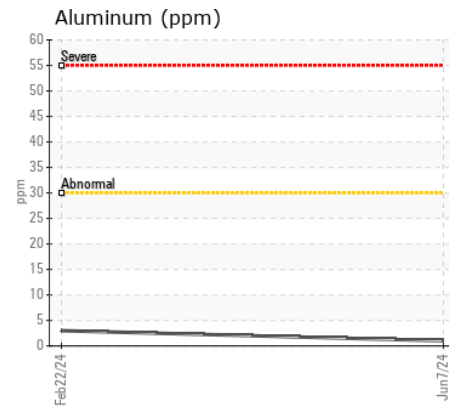
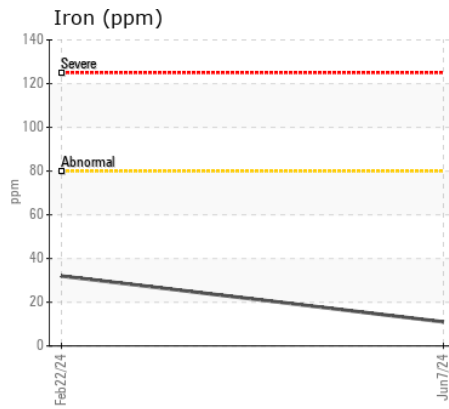
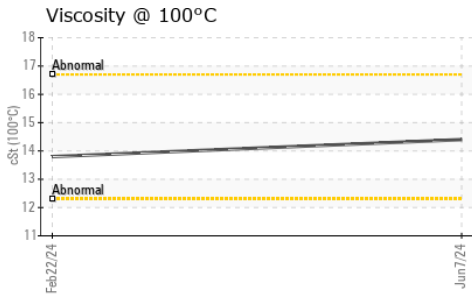
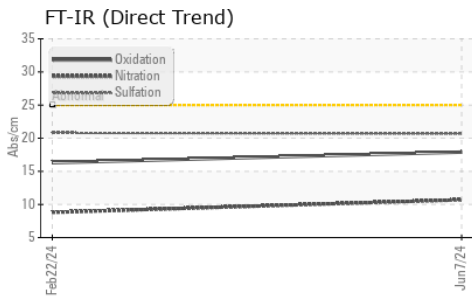
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	4	22	---
Potassium	ppm	ASTM D5185(m)	>20	0	1	---
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	---
Nitration	Abs/cm	ASTM D7624*	>20	10.7	8.8	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.7	20.8	---
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)		6	2	---
Boron	ppm	ASTM D5185(m)		12	24	---
Barium	ppm	ASTM D5185(m)		<1	2	---
Molybdenum	ppm	ASTM D5185(m)		54	80	---
Manganese	ppm	ASTM D5185(m)		1	8	---
Magnesium	ppm	ASTM D5185(m)		554	591	---
Calcium	ppm	ASTM D5185(m)		1532	1267	---
Phosphorus	ppm	ASTM D5185(m)		651	686	---
Zinc	ppm	ASTM D5185(m)		882	787	---
Sulfur	ppm	ASTM D5185(m)		2005	2284	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.9	16.3	---
Visc @ 100°C	cSt	ASTM D7279(m)		14.4	13.8	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0125815
Lab Number : 02641564
Unique Number : 5799103
Test Package : MOB 1

GFL Environmental - 225 - COT(D2)
 20 Brydon Drive
 Etobicoke, ON
 CA M9W 5R6
 Contact: Rick Philip
 rphilip@gflenv.com
 T: (416)745-8080
 F:

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.