



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
801221
 Component
Diesel Engine
 Fluid
SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0117342	---	---
Sample Date		Client Info		14 May 2024	---	---
Machine Age	hrs	Client Info		10988	---	---
Oil Age	hrs	Client Info		509	---	---
Filter Age	hrs	Client Info		509	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	7	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>4	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	1	---	---
Lead	ppm	ASTM D5185(m)	>40	0	---	---
Copper	ppm	ASTM D5185(m)	>330	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

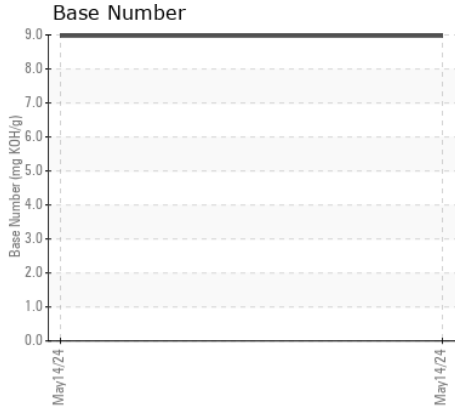
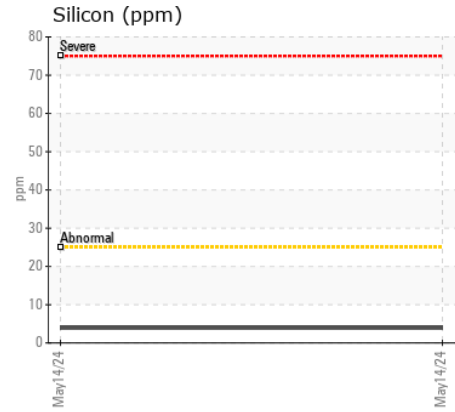
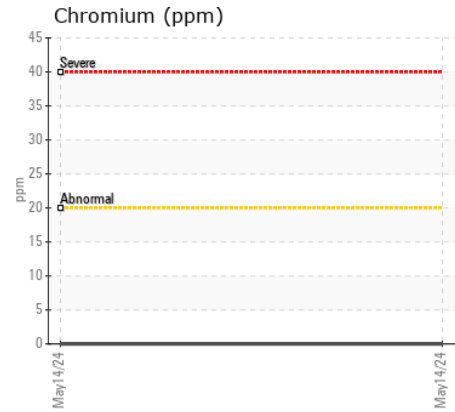
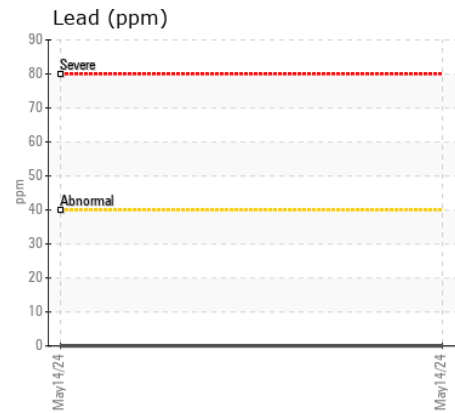
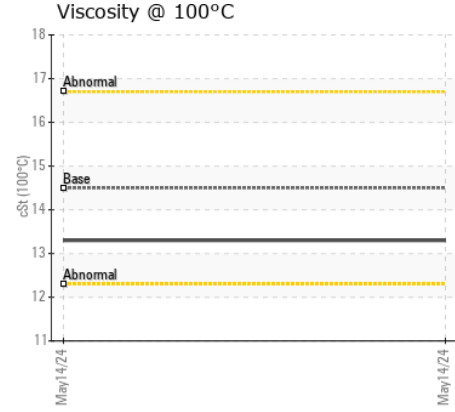
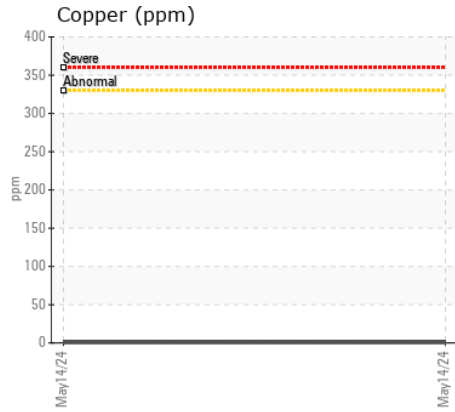
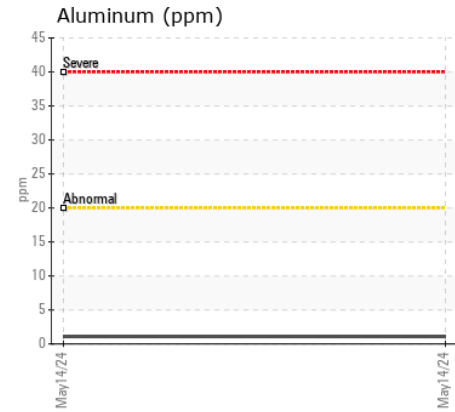
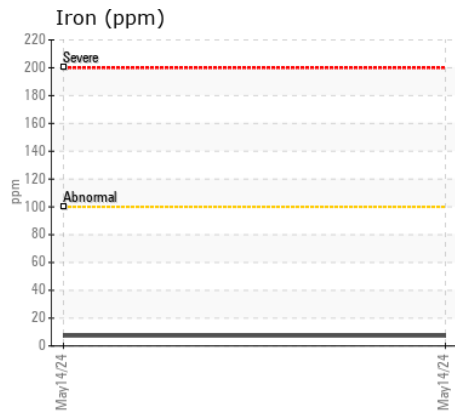
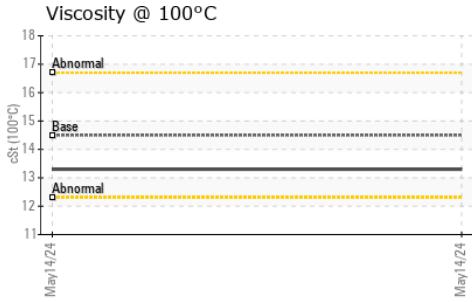
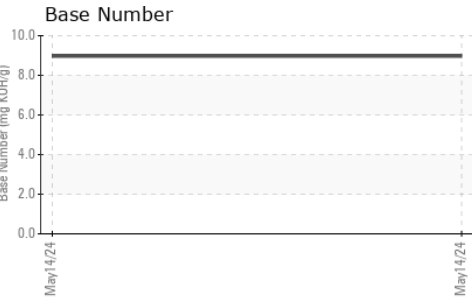
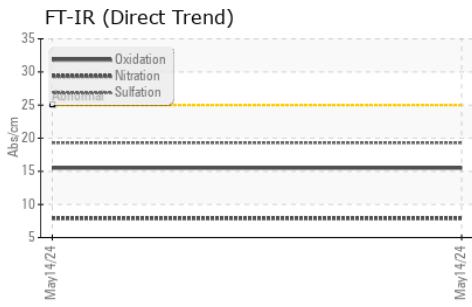
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0.3	---	---
Nitration	Abs/cm	ASTM D7624*	>20	7.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.3	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)	>57	4	---	---
Boron	ppm	ASTM D5185(m)		2	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		55	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		894	---	---
Calcium	ppm	ASTM D5185(m)		1010	---	---
Phosphorus	ppm	ASTM D5185(m)		965	---	---
Zinc	ppm	ASTM D5185(m)		1138	---	---
Sulfur	ppm	ASTM D5185(m)		2384	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.5	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		8.97	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	13.3	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 550 - Rocky View County**
Sample No. : GFL0117342 **Received** : 28 May 2024 **220 Carmek Blvd**
Lab Number : 02637853 **Tested** : 29 May 2024 **Rocky View County, AB**
Unique Number : 5787015 **Diagnosed** : 29 May 2024 - Wes Davis **CA T1X 1X1**
Test Package : MOB 2 **Contact: GFL Calgary**
calgarymaintenance@gflenv.com

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.

T:
F: (403)369-6163