



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**218001**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 15W40 (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0107308</b>	GFL0056124	---
Sample Date		Client Info		<b>20 Mar 2024</b>	07 Sep 2022	---
Machine Age	kms	Client Info		<b>806683</b>	1877	---
Oil Age	kms	Client Info		<b>0</b>	600	---
Filter Age	kms	Client Info		<b>0</b>	600	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>5</b>	24	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	21	---
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

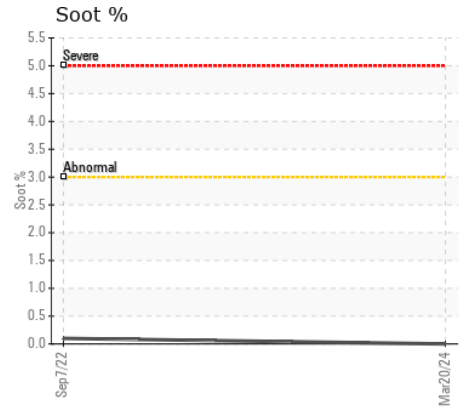
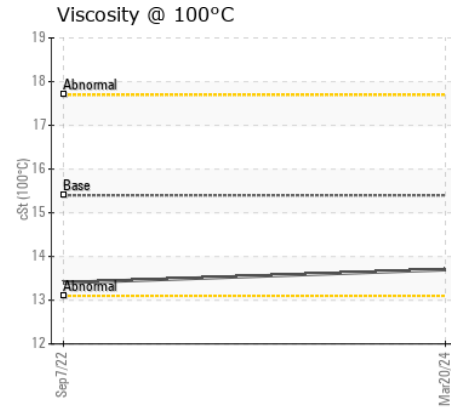
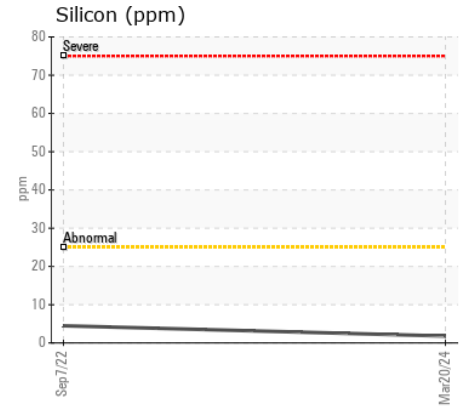
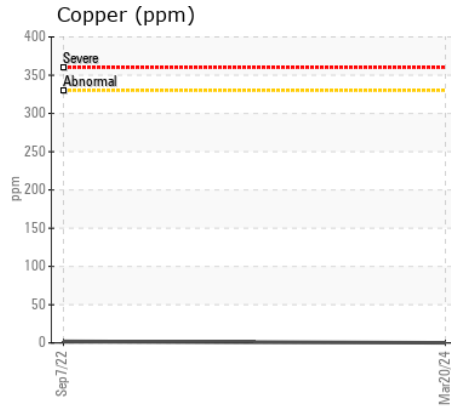
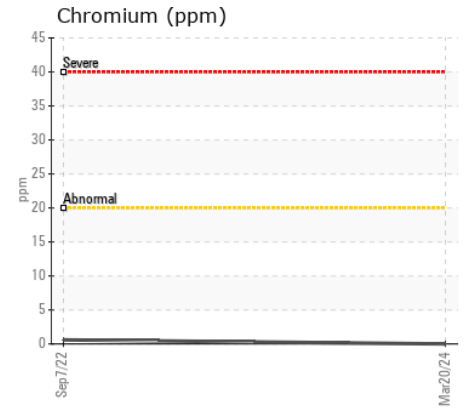
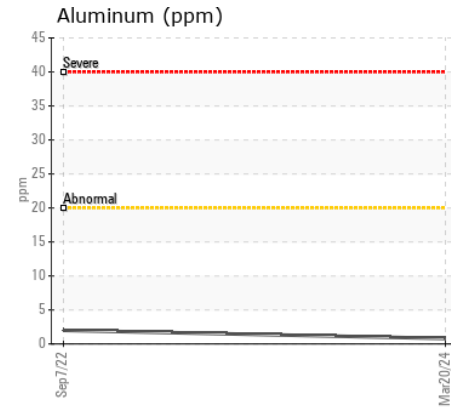
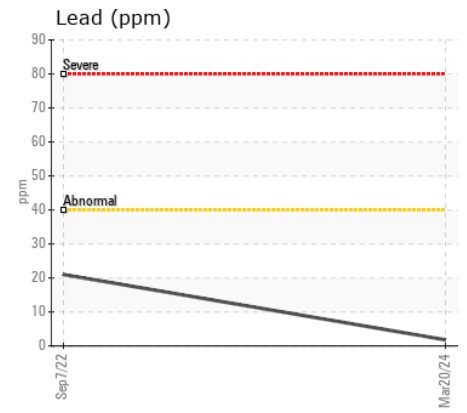
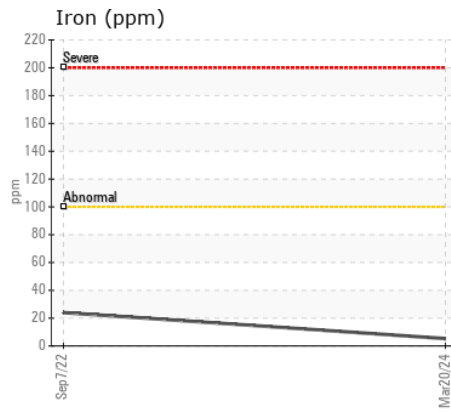
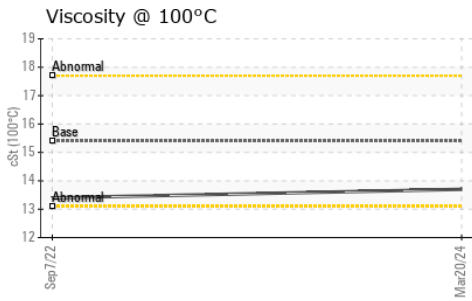
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.7</b>	9.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.2</b>	21.6	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	5	---
Boron	ppm	ASTM D5185(m)	0	<b>3</b>	13	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	60	<b>59</b>	60	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	<b>971</b>	855	---
Calcium	ppm	ASTM D5185(m)	1070	<b>1039</b>	1267	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>990</b>	1100	---
Zinc	ppm	ASTM D5185(m)	1270	<b>1176</b>	1230	---
Sulfur	ppm	ASTM D5185(m)	2060	<b>2529</b>	2673	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.9</b>	17.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.7</b>	13.4	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107308  
**Lab Number** : 02626007  
**Unique Number** : 5759139  
**Test Package** : MOB 1  
**Received** : 02 Apr 2024  
**Tested** : 02 Apr 2024  
**Diagnosed** : 02 Apr 2024 - Wes Davis

**GFL Environmental - 250 - Sault Ste Marie Hauling + MRF**  
 86 Sackville Rd,  
 Sault Ste. Marie, ON  
 CA P6B 4T6  
 Contact: Mike Pelletier  
 mpelletier@gflenv.com  
 T: (705)945-7554  
 F: (705)945-7857

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.