



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

Machine Id  
**5618**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0119019</b>	GFL0112555	GFL
Sample Date		Client Info		<b>14 Jun 2024</b>	12 Apr 2024	12 Jul 2023
Machine Age	hrs	Client Info		<b>0</b>	23747	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>11</b>	29	19
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	2	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>4</b>	11	3
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	2
Copper	ppm	ASTM D5185(m)	>330	<b>4</b>	7	5
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

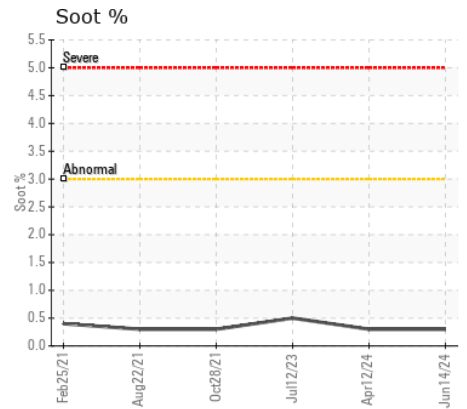
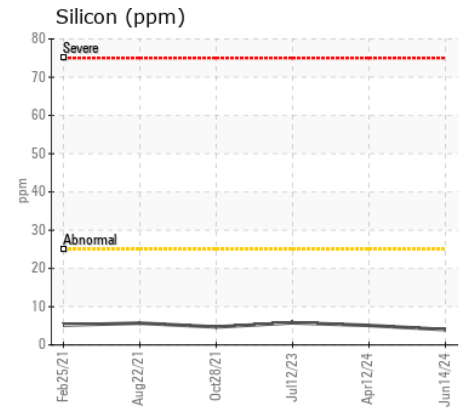
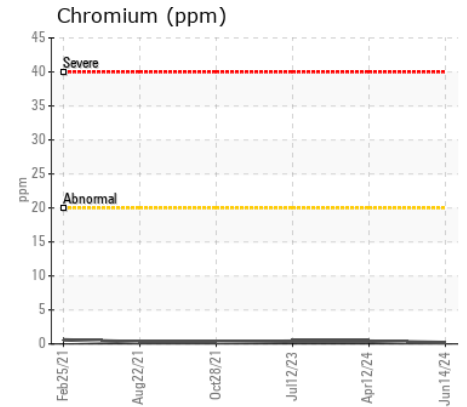
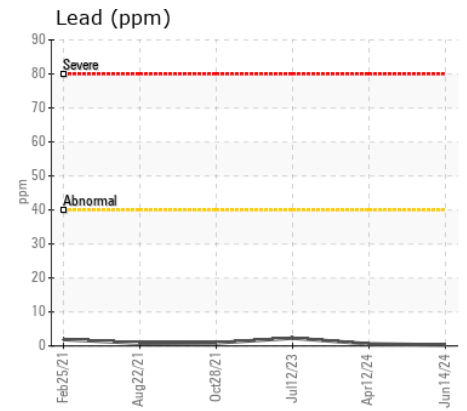
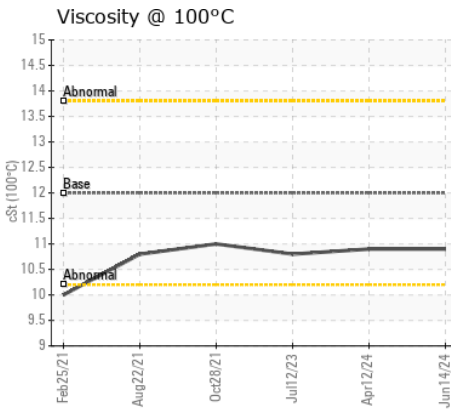
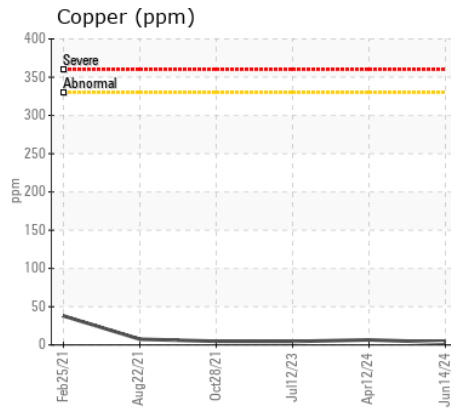
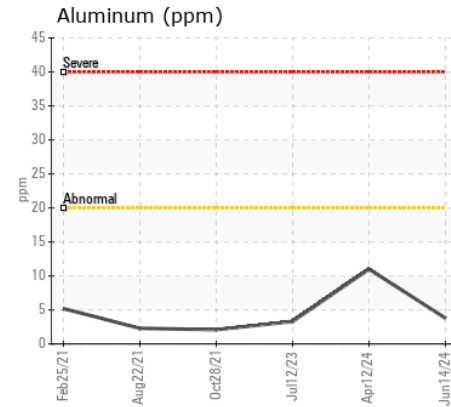
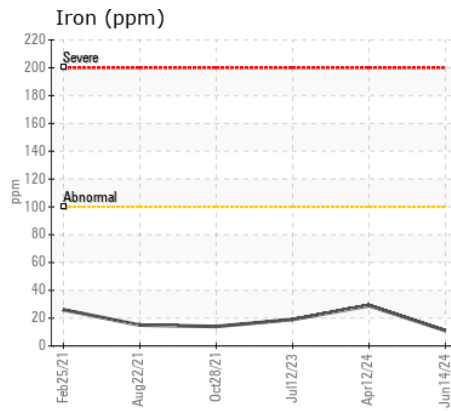
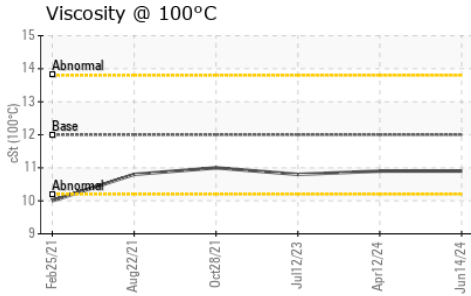
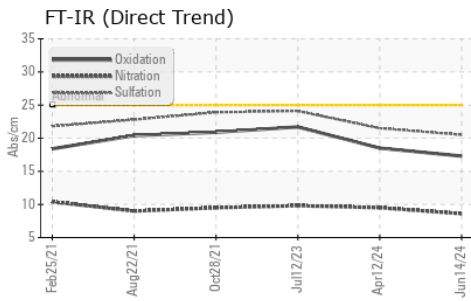
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	5	6
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	8	2
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	0.0	NEG
Soot %	%	ASTM D7844*	>3	<b>0.3</b>	0.3	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.6</b>	9.5	9.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.5</b>	21.5	24.1
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>5</b>	5	8
Boron	ppm	ASTM D5185(m)	2	<b>4</b>	1	3
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>56</b>	59	61
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>849</b>	958	1004
Calcium	ppm	ASTM D5185(m)	1050	<b>1059</b>	1032	1080
Phosphorus	ppm	ASTM D5185(m)	995	<b>899</b>	957	1045
Zinc	ppm	ASTM D5185(m)	1180	<b>1088</b>	1158	1230
Sulfur	ppm	ASTM D5185(m)	2600	<b>2231</b>	2132	2201
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.3</b>	18.5	21.7
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>10.9</b>	10.9	10.8



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0119019  
**Lab Number** : 02644006  
**Unique Number** : 5801545  
**Test Package** : MOB 1  
**Received** : 25 Jun 2024  
**Tested** : 25 Jun 2024  
**Diagnosed** : 25 Jun 2024 - Wes Davis

**GFL Environmental - 554 - Edmonton SW**  
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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.