



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

Machine Id  
**8135**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0112575</b>	GFL0101729	GFL0101711
Sample Date		Client Info		<b>06 Apr 2024</b>	28 Nov 2023	25 Nov 2023
Machine Age	hrs	Client Info		<b>1012</b>	494	473
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>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>42</b>	14	80
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	2
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	1
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	4
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	3
Copper	ppm	ASTM D5185(m)	>330	<b>7</b>	14	77
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	0	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

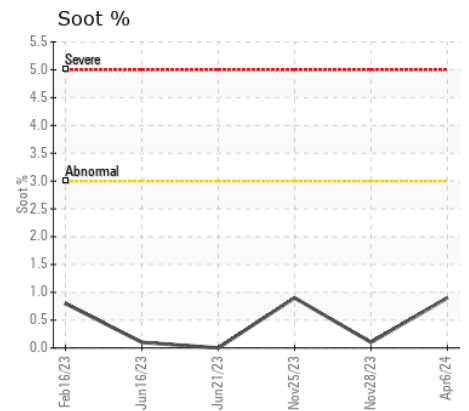
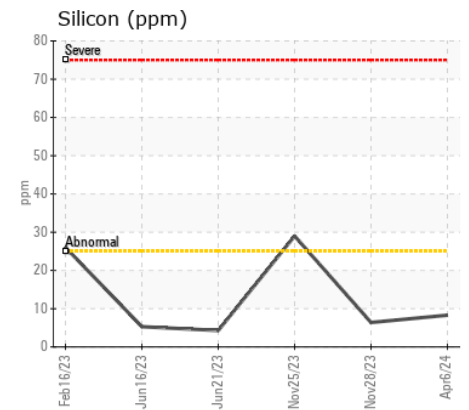
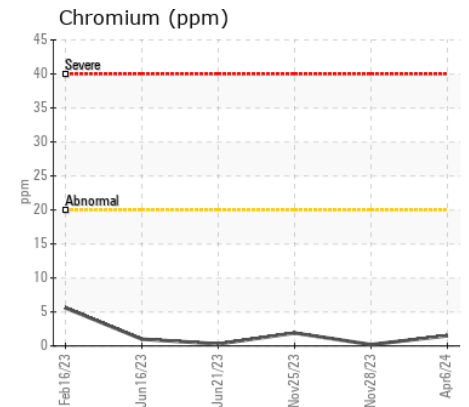
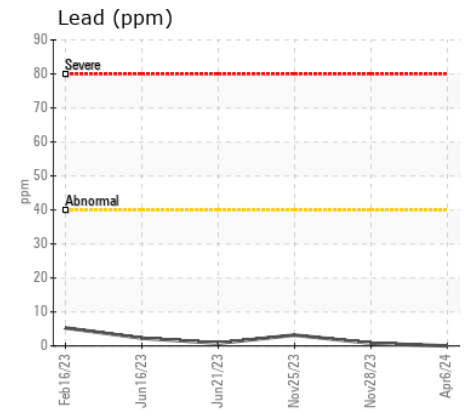
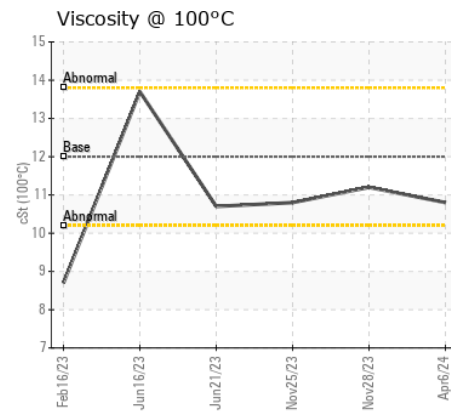
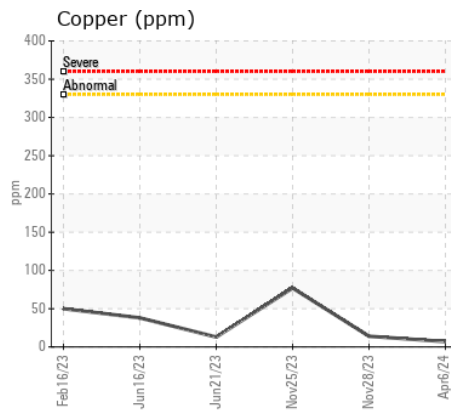
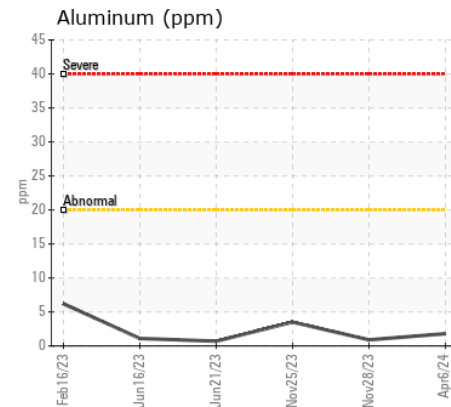
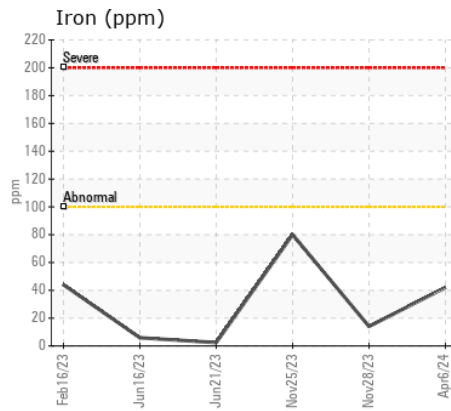
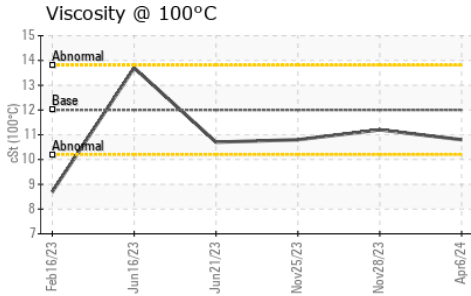
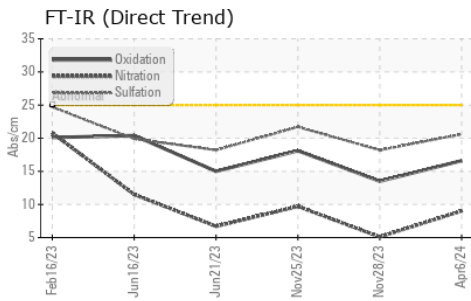
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>8</b>	6	29
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	5
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>	NEG	0.0
Soot %	%	ASTM D7844*	>3	<b>0.9</b>	0.1	0.9
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.0</b>	5.1	9.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.6</b>	18.2	21.7
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>7</b>	6	36
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	3	5
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	1	9
Molybdenum	ppm	ASTM D5185(m)	50	<b>56</b>	55	54
Manganese	ppm	ASTM D5185(m)	0	<b>1</b>	<1	5
Magnesium	ppm	ASTM D5185(m)	950	<b>931</b>	923	855
Calcium	ppm	ASTM D5185(m)	1050	<b>1007</b>	1013	1016
Phosphorus	ppm	ASTM D5185(m)	995	<b>918</b>	956	840
Zinc	ppm	ASTM D5185(m)	1180	<b>1118</b>	1115	1065
Sulfur	ppm	ASTM D5185(m)	2600	<b>2267</b>	2499	2083
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.6</b>	13.5	18.1
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>10.8</b>	11.2	10.8



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0112575  
**Lab Number** : 02629874  
**Unique Number** : 5763006  
**Test Package** : MOB 1

**GFL Environmental - 554 - Edmonton SW**  
 8409 -15th Street NW  
 Edmonton, AB  
 CA T6P 0B8  
 Contact: Tim Greig  
 tgreig@gflenv.com  
 T: (780)231-0521  
 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.