



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



Machine Id  
**833069**  
Component  
**Natural Gas Engine**  
Fluid  
**PETRO CANADA DURON GEO LD 15W40 (24 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0118955</b>	GFL0094410	---
Sample Date		Client Info		<b>05 Jun 2024</b>	16 Jan 2024	---
Machine Age	hrs	Client Info		<b>1864</b>	1137	---
Oil Age	hrs	Client Info		<b>1864</b>	0	---
Filter Age	hrs	Client Info		<b>1864</b>	0	---
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)	>50	<b>14</b>	51	---
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>9	<b>1</b>	5	---
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	2	---
Copper	ppm	ASTM D5185(m)	>35	<b>4</b>	17	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

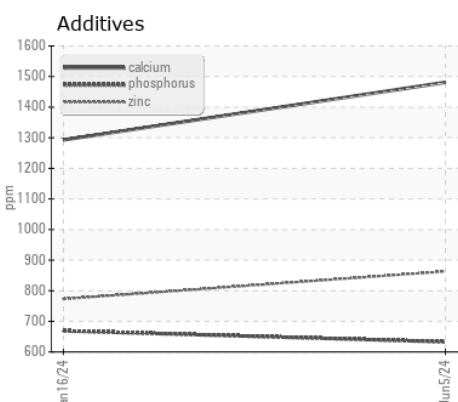
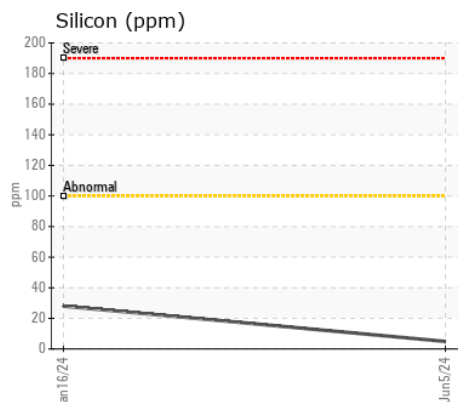
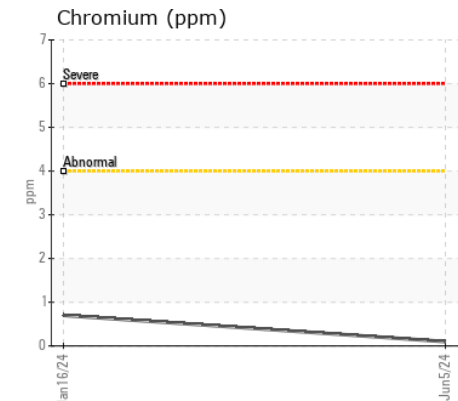
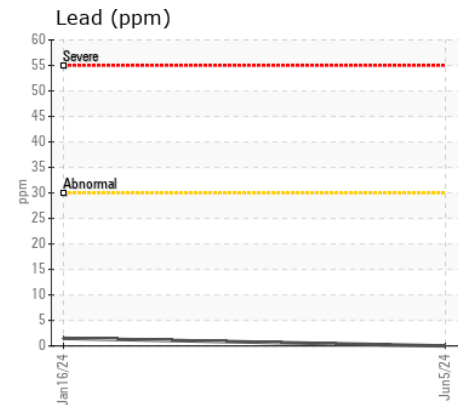
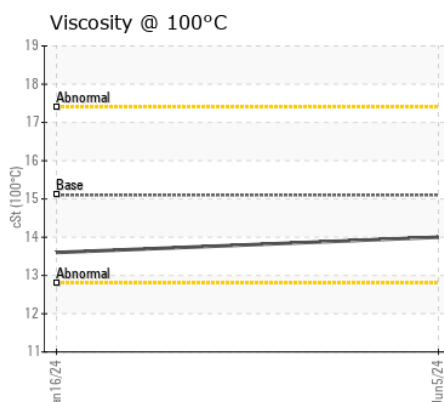
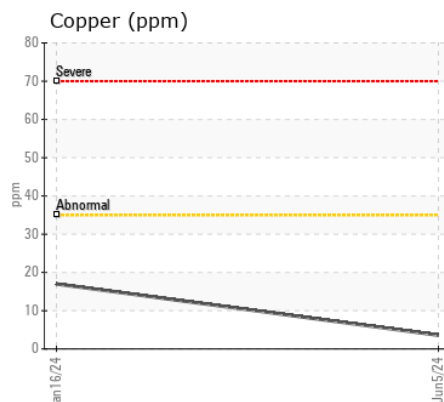
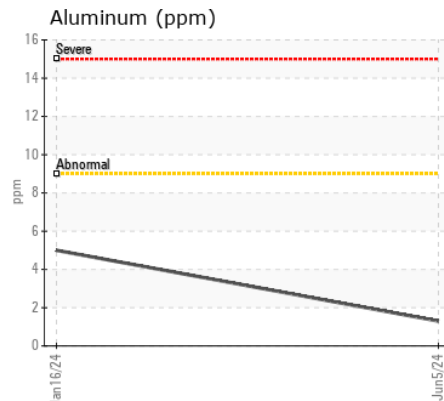
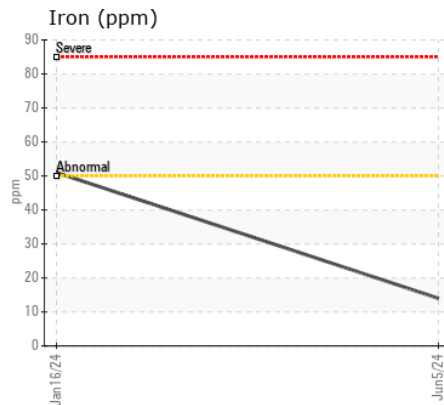
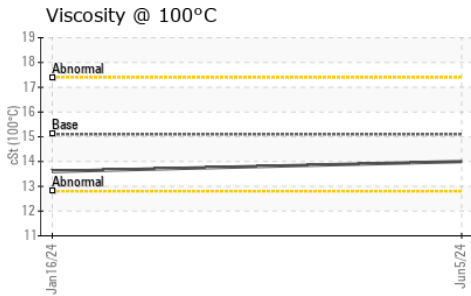
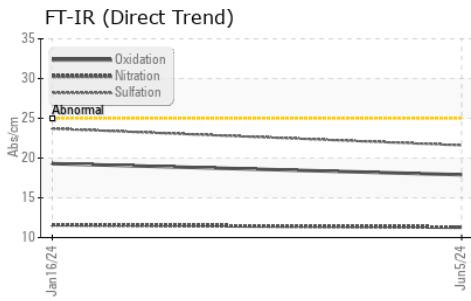
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<b>5</b>	28	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.3</b>	11.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.6</b>	23.7	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<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>	4	---
Boron	ppm	ASTM D5185(m)	50	<b>10</b>	6	---
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	2	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>56</b>	97	---
Manganese	ppm	ASTM D5185(m)	0	<b>2</b>	13	---
Magnesium	ppm	ASTM D5185(m)	560	<b>531</b>	656	---
Calcium	ppm	ASTM D5185(m)	1510	<b>1481</b>	1293	---
Phosphorus	ppm	ASTM D5185(m)	780	<b>633</b>	669	---
Zinc	ppm	ASTM D5185(m)	870	<b>863</b>	773	---
Sulfur	ppm	ASTM D5185(m)	2040	<b>1977</b>	2273	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.9</b>	19.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.0</b>	13.6	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0118955 **Received** : 06 Jun 2024  
**Lab Number** : 02640160 **Tested** : 06 Jun 2024  
**Unique Number** : 5789322 **Diagnosed** : 06 Jun 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: Visual )

**GFL Environmental - 222 - Sandhill**  
 SANDHILL DISPOSAL & RECYCLING DIVIS, 19 COMMERCE ROAD  
 ORANGEVILLE, ON  
 CA L9W 3X5  
 Contact: GLENN COOK  
 gcook@gflenv.com  
 T: (519)940-4167  
 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.