



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

Machine Id  
**433019**  
 Component  
**Natural Gas Engine**  
 Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0117742</b>	GFL0103961	---
Sample Date		Client Info		<b>10 Apr 2024</b>	25 Jan 2024	---
Machine Age	hrs	Client Info		<b>1225</b>	611	---
Oil Age	hrs	Client Info		<b>614</b>	611	---
Filter Age	hrs	Client Info		<b>614</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 D5185m	>50	<b>17</b>	33	---
Chromium	ppm	ASTM D5185m	>4	<b>2</b>	<1	---
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	2	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>9	<b>4</b>	8	---
Lead	ppm	ASTM D5185m	>30	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185m	>35	<b>3</b>	13	---
Tin	ppm	ASTM D5185m	>4	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

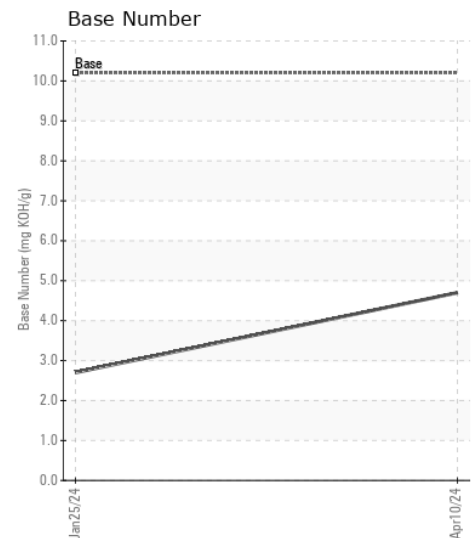
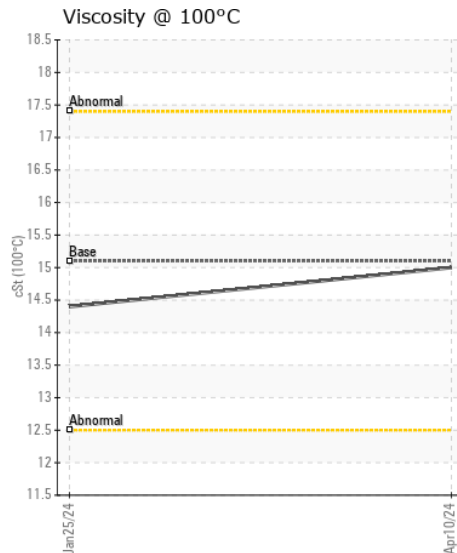
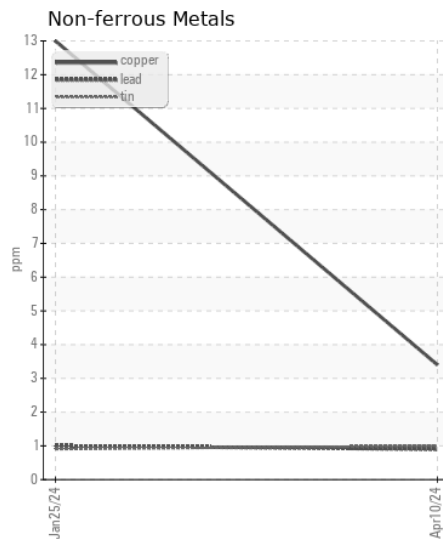
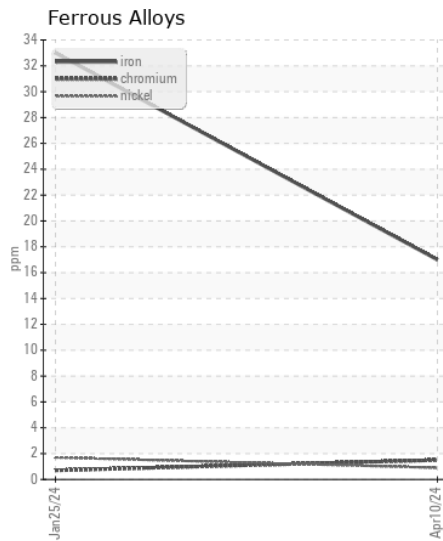
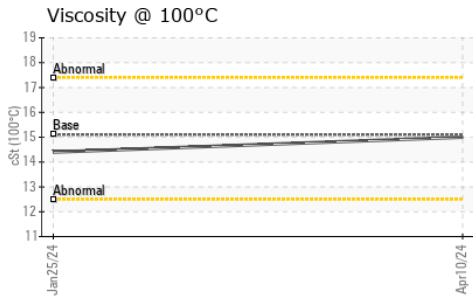
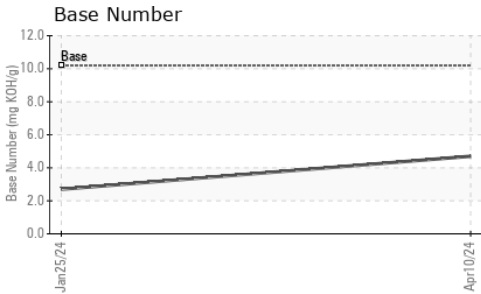
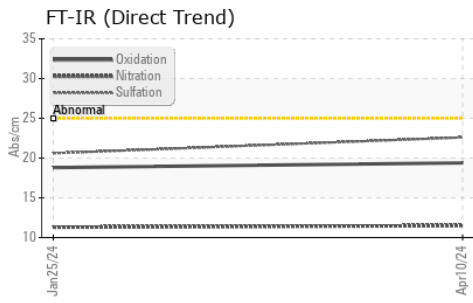
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	<b>9</b>	26	---
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	18	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844		<b>0</b>	0	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>11.5</b>	11.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.6</b>	20.6	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	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 D5185m		<b>6</b>	3	---
Boron	ppm	ASTM D5185m	50	<b>7</b>	9	---
Barium	ppm	ASTM D5185m	5	<b>0</b>	3	---
Molybdenum	ppm	ASTM D5185m	50	<b>58</b>	49	---
Manganese	ppm	ASTM D5185m	0	<b>2</b>	10	---
Magnesium	ppm	ASTM D5185m	560	<b>592</b>	733	---
Calcium	ppm	ASTM D5185m	1510	<b>1648</b>	1225	---
Phosphorus	ppm	ASTM D5185m	780	<b>794</b>	652	---
Zinc	ppm	ASTM D5185m	870	<b>1007</b>	910	---
Sulfur	ppm	ASTM D5185m	2040	<b>2785</b>	2205	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.4</b>	18.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	<b>4.7</b>	2.7	---
Visc @ 100°C	cSt	ASTM D445	15.1	<b>15.0</b>	14.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0117742  
**Lab Number** : 06155133  
**Unique Number** : 10990556  
**Test Package** : FLEET

**Received** : 19 Apr 2024  
**Tested** : 22 Apr 2024  
**Diagnosed** : 22 Apr 2024 - Wes Davis

**GFL Environmental - 865 - East Mount Hauling**  
 7213 East Mount Houston Road  
 Houston, TX  
 US 77050

Contact: Saul Castillo  
 saul.castillo@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
 F: