



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**819003**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0096743</b>	---	---
Sample Date		Client Info		<b>13 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>10256</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>1200</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>23</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>12</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## CONTAMINATION

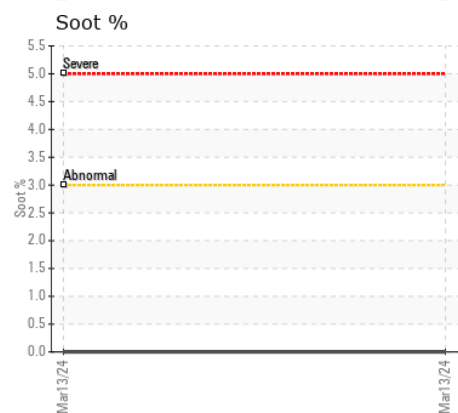
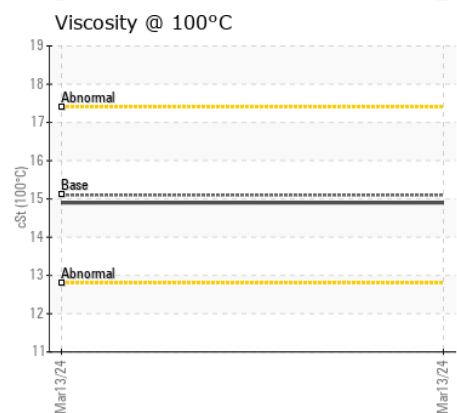
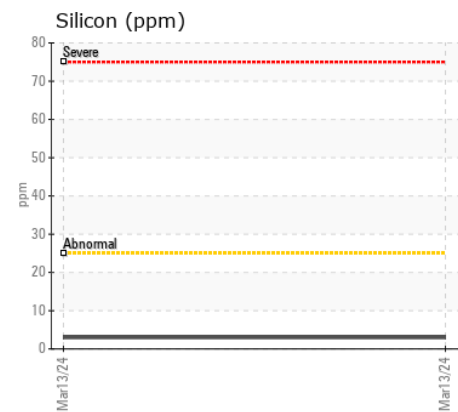
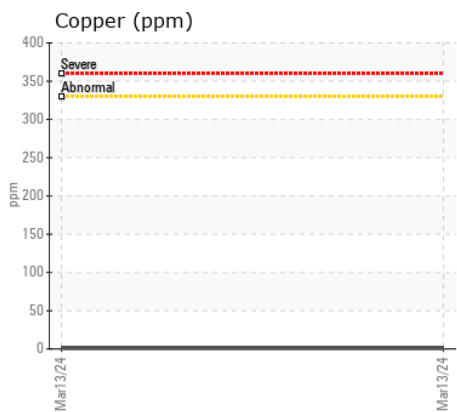
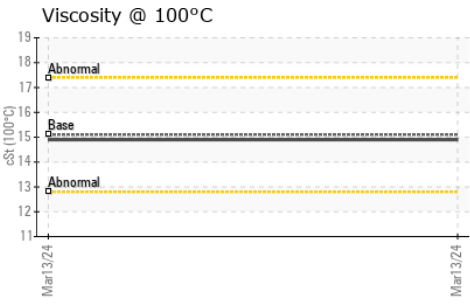
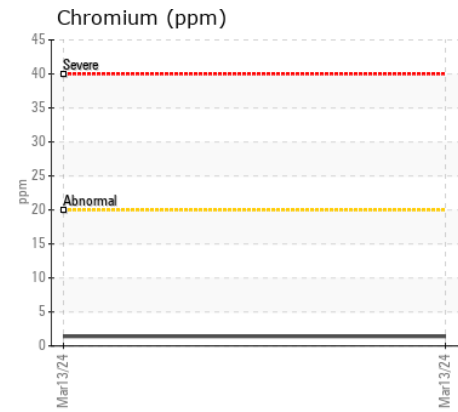
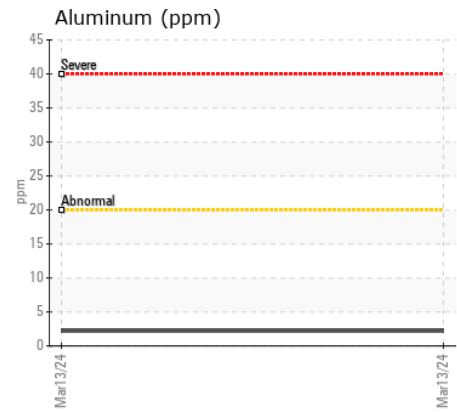
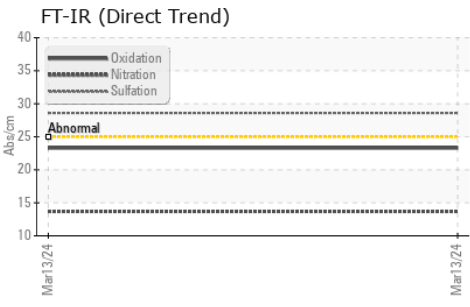
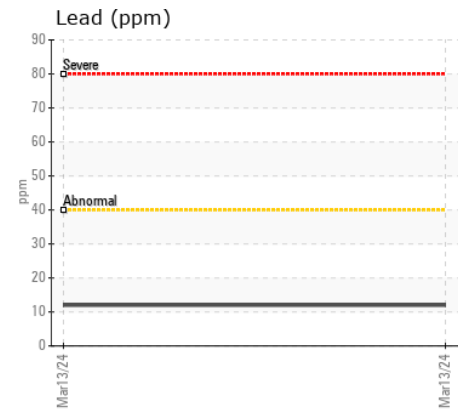
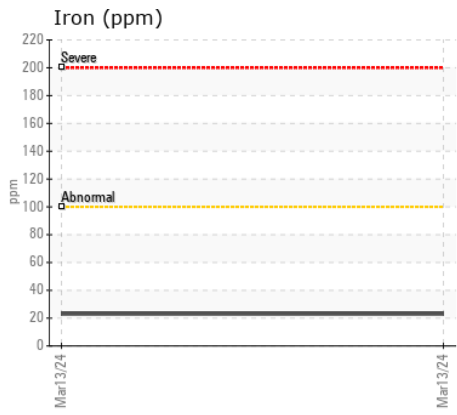
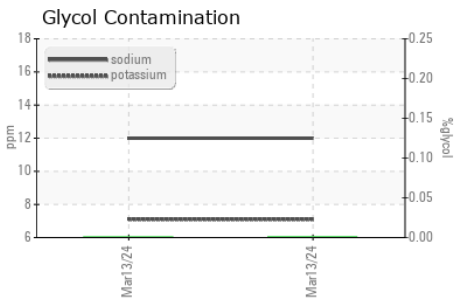
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>7</b>	---	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol	%	ASTM D7922*		<b>0.0</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>13.7</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>28.6</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<b>12</b>	---	---
Boron	ppm	ASTM D5185(m)	50	<b>15</b>	---	---
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>65</b>	---	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)	560	<b>696</b>	---	---
Calcium	ppm	ASTM D5185(m)	1510	<b>1936</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	780	<b>871</b>	---	---
Zinc	ppm	ASTM D5185(m)	870	<b>1090</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2040	<b>2157</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>23.3</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.9</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0096743  
**Lab Number** : 02630926  
**Unique Number** : 5772079  
**Test Package** : MOB 1 ( Additional Tests: Glycol )

**GFL Environmental - 574 - Vancouver Fleet**  
 70 Golden Drive,  
 Coquitlam, BC  
 CA V3K 6B5  
 Contact: Sanjay Kisun  
 skisun@gflenv.com  
 T: (604)529-4030  
 F: (604)529-4026

*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.*