



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**833113**  
 Component  
**Transmission**  
 Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0112493</b>	---	---
Sample Date	Client Info		<b>29 Apr 2024</b>	---	---
Machine Age	days	Client Info	<b>2125</b>	---	---
Oil Age	days	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >320	<b>22</b>	---	---
Chromium	ppm	ASTM D5185(m) >5	<b>1</b>	---	---
Nickel	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >50	<b>3</b>	---	---
Lead	ppm	ASTM D5185(m) >65	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >95	<b>3</b>	---	---
Tin	ppm	ASTM D5185(m) >6	<b>&lt;1</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

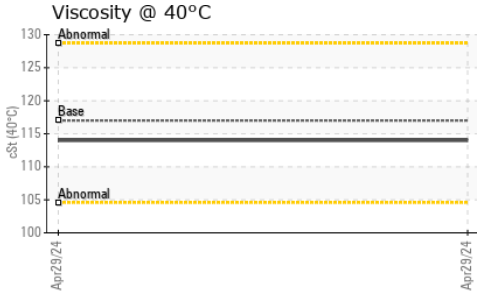
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 50	<b>8</b>	---	---
Barium	ppm	ASTM D5185(m) 5	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 50	<b>64</b>	---	---
Manganese	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m) 560	<b>712</b>	---	---
Calcium	ppm	ASTM D5185(m) 1510	<b>1782</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 780	<b>790</b>	---	---
Zinc	ppm	ASTM D5185(m) 870	<b>1069</b>	---	---
Sulfur	ppm	ASTM D5185(m) 2040	<b>2092</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >65	<b>6</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>9</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>4</b>	---	---



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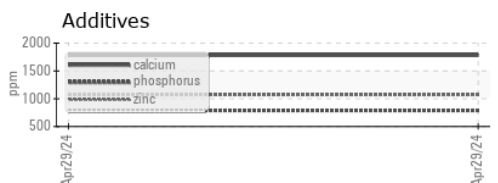
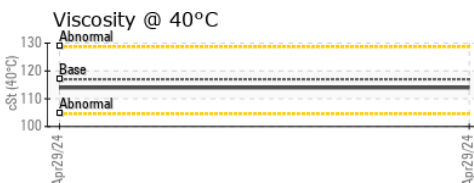
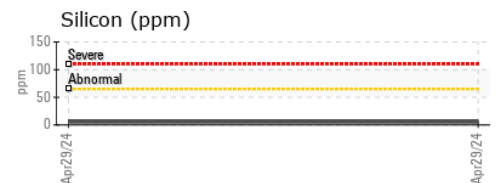
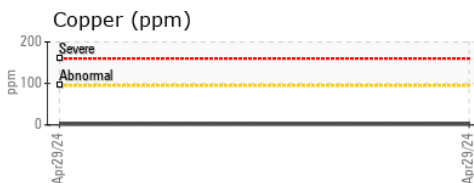
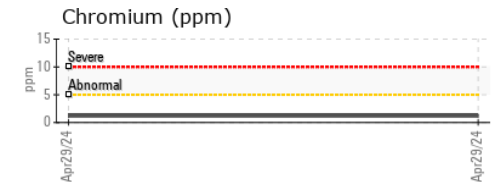
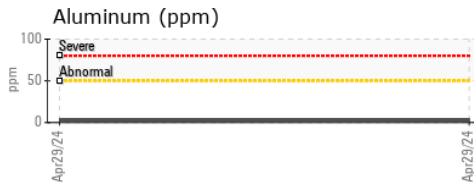
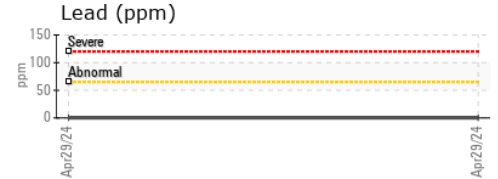
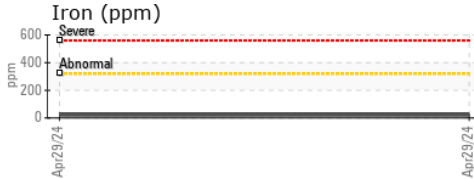
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	117.0	114	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0112493  
**Lab Number** : 02633192  
**Unique Number** : 5774345  
**Test Package** : MOB 1

**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.