



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**433008**

Component  
**Natural Gas Engine**

Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- GAL)**



## DIAGNOSIS

### Recommendation

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

### Wear

Metal levels are typical for a new component breaking in.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0096748</b>	---	---
Sample Date	Client Info		<b>06 Nov 2023</b>	---	---
Machine Age	kms	Client Info	<b>23517</b>	---	---
Oil Age	kms	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</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) >50	<b>18</b>	---	---
Chromium	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >2	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m) >3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >9	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m) >30	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >35	<b>3</b>	---	---
Tin	ppm	ASTM D5185(m) >4	<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>22</b>	---	---
Barium	ppm	ASTM D5185(m) 5	<b>1</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 50	<b>56</b>	---	---
Manganese	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m) 560	<b>546</b>	---	---
Calcium	ppm	ASTM D5185(m) 1510	<b>1486</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 780	<b>702</b>	---	---
Zinc	ppm	ASTM D5185(m) 870	<b>859</b>	---	---
Sulfur	ppm	ASTM D5185(m) 2040	<b>1998</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >+100	<b>21</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---

## INFRA-RED

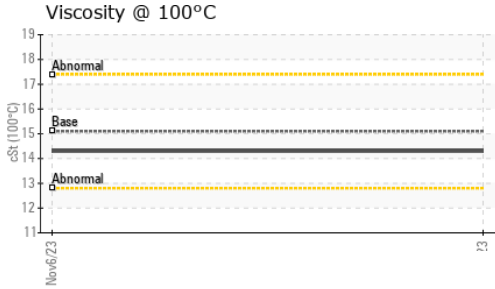
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624* >20	<b>9.4</b>	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	<b>20.2</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414* >25	<b>17.3</b>	---	---



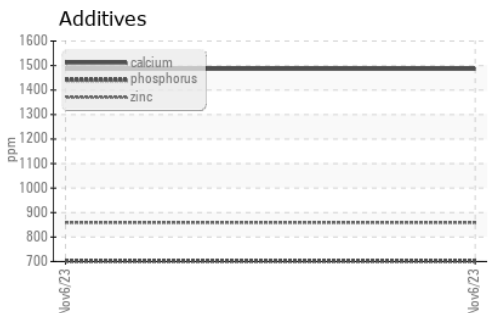
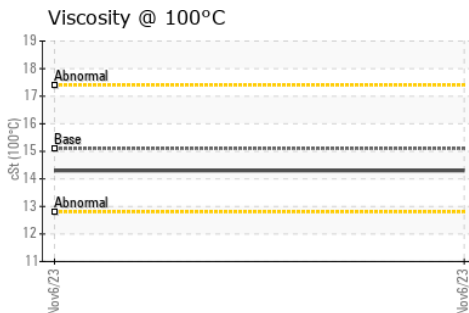
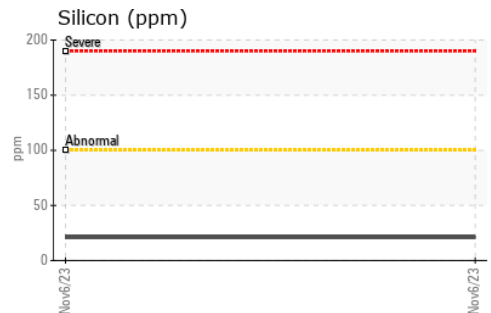
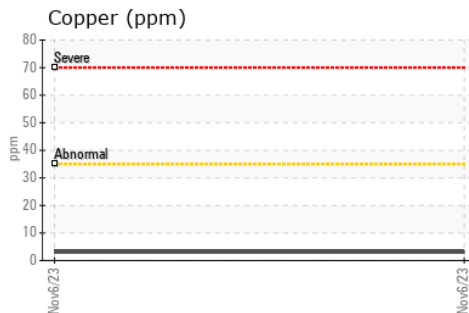
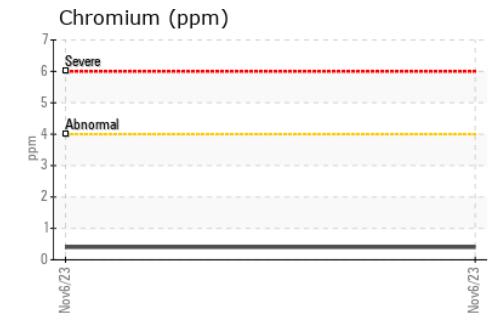
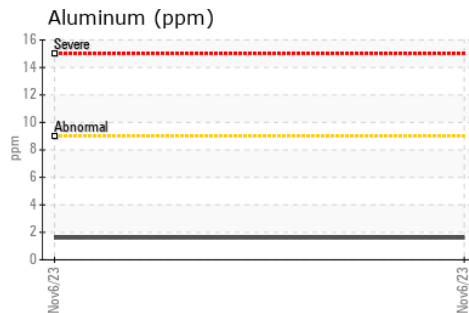
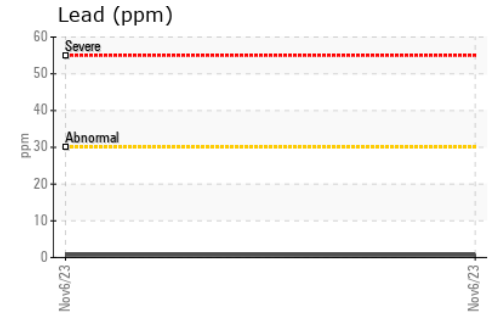
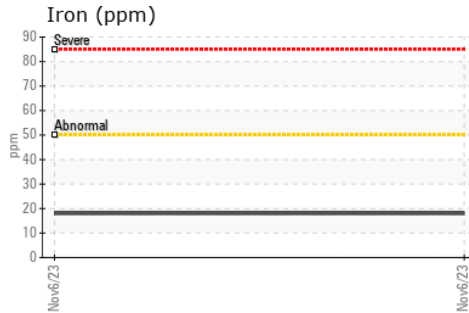
# OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.3</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 574 - Vancouver Fleet  
**Sample No.** : GFL0096748 **Received** : 04 Dec 2023  
**Lab Number** : 02600460 **Diagnosed** : 04 Dec 2023  
**Unique Number** : 5685540 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

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.

Contact: Gary Ewasiuk  
 gewasiuk@gflenv.com

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