



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**833069**  
 Component  
**Natural Gas Engine**  
 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 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>GFL0094410</b>	---	---
Sample Date	Client Info		<b>16 Jan 2024</b>	---	---
Machine Age	hrs	Client Info	<b>1137</b>	---	---
Oil Age	hrs	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
PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m) >50	<b>51</b>	---	---
Chromium	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >2	<b>1</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>5</b>	---	---
Lead	ppm	ASTM D5185(m) >30	<b>2</b>	---	---
Copper	ppm	ASTM D5185(m) >35	<b>17</b>	---	---
Tin	ppm	ASTM D5185(m) >4	<b>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>6</b>	---	---
Barium	ppm	ASTM D5185(m) 5	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 50	<b>97</b>	---	---
Manganese	ppm	ASTM D5185(m) 0	<b>13</b>	---	---
Magnesium	ppm	ASTM D5185(m) 560	<b>656</b>	---	---
Calcium	ppm	ASTM D5185(m) 1510	<b>1293</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 780	<b>669</b>	---	---
Zinc	ppm	ASTM D5185(m) 870	<b>773</b>	---	---
Sulfur	ppm	ASTM D5185(m) 2040	<b>2273</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >+100	<b>28</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>4</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---

## INFRA-RED

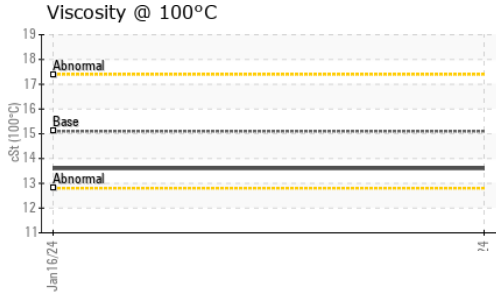
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.6</b>	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>23.7</b>	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>19.3</b>	---



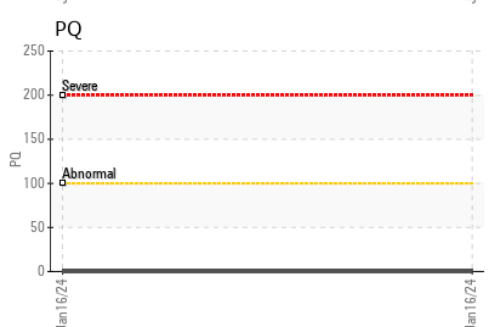
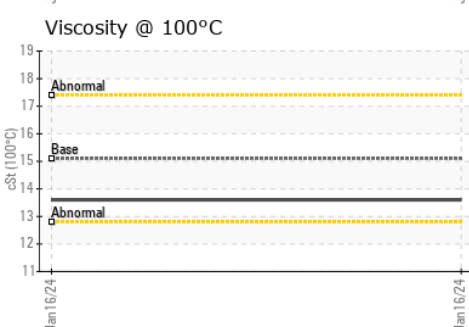
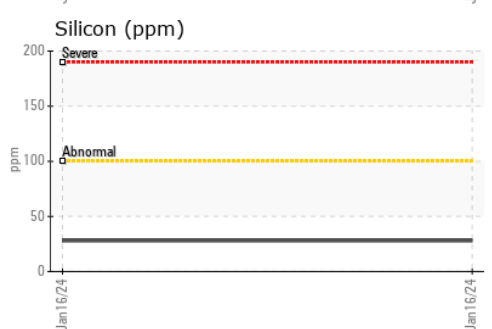
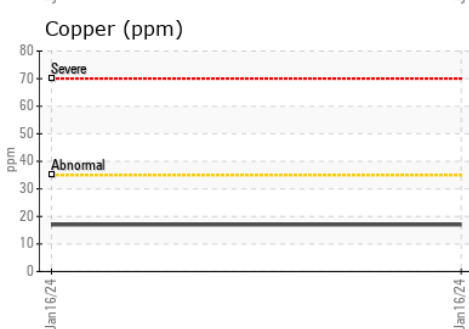
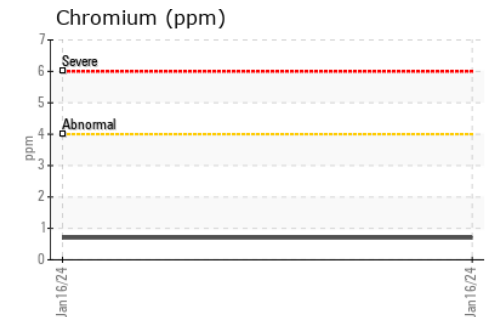
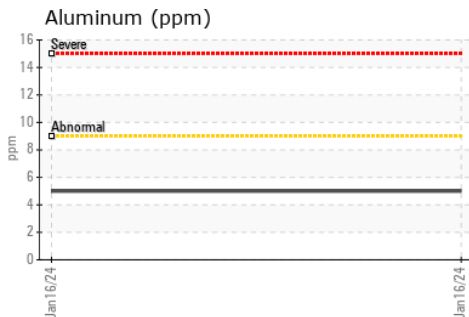
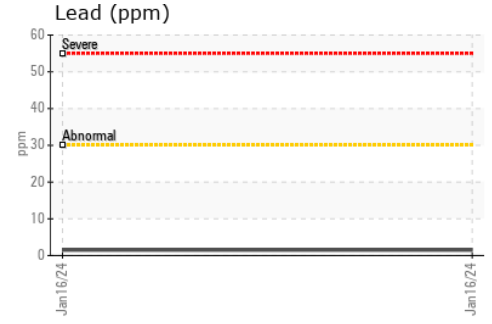
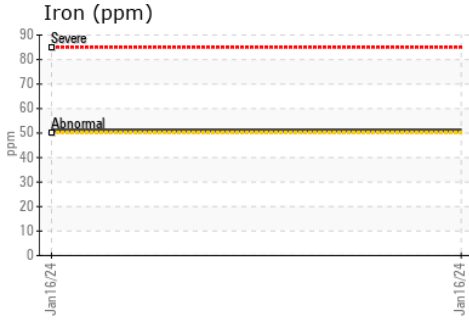
# OIL ANALYSIS REPORT



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>13.6</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0094410 **Received** : 17 Jan 2024  
**Lab Number** : 02609290 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 5710376 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )  
 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.

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