

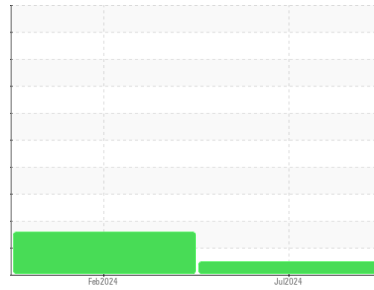


# OIL ANALYSIS REPORT



Machine Id  
**833074**  
 Component  
**Natural Gas Engine**  
 Fluid  
**PETRO CANADA DURON GEO LD 15W40 (24 LTR)**

### Sample Rating Trend



**NORMAL**



## 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>GFL0118907</b>	GFL0063925	---
Sample Date	Client Info			<b>04 Jul 2024</b>	08 Feb 2024	---
Machine Age	hrs	Client Info		<b>1935</b>	1112	---
Oil Age	hrs	Client Info		<b>1200</b>	1112	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method	>0.1		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>---</b>	0.0	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	<b>15</b>	40	---
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>9	<b>1</b>	5	---
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	2	---
Copper	ppm	ASTM D5185(m)	>35	<b>3</b>	14	---
Tin	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	50	<b>7</b>	7	---
Barium	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	2	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>57</b>	102	---
Manganese	ppm	ASTM D5185(m)	0	<b>2</b>	9	---
Magnesium	ppm	ASTM D5185(m)	560	<b>514</b>	643	---
Calcium	ppm	ASTM D5185(m)	1510	<b>1447</b>	1262	---
Phosphorus	ppm	ASTM D5185(m)	780	<b>612</b>	635	---
Zinc	ppm	ASTM D5185(m)	870	<b>855</b>	752	---
Sulfur	ppm	ASTM D5185(m)	2040	<b>1947</b>	2330	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

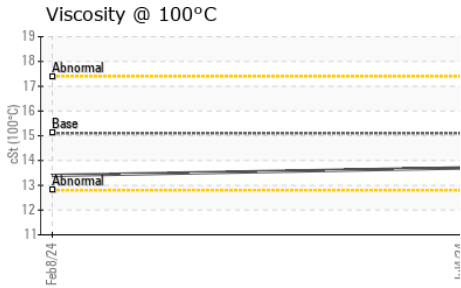
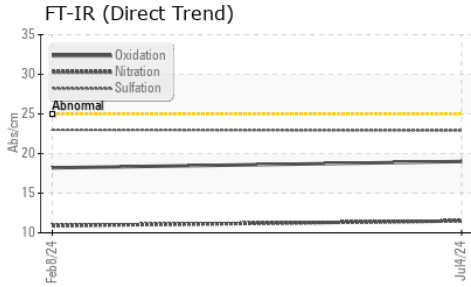
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	<b>5</b>	27	---
Sodium	ppm	ASTM D5185(m)		<b>2</b>	3	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.5</b>	10.9	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.9</b>	23.0	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>19.0</b>	18.2	---



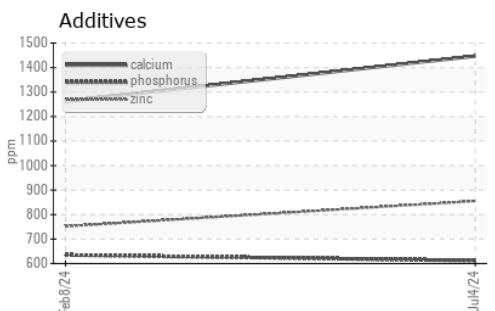
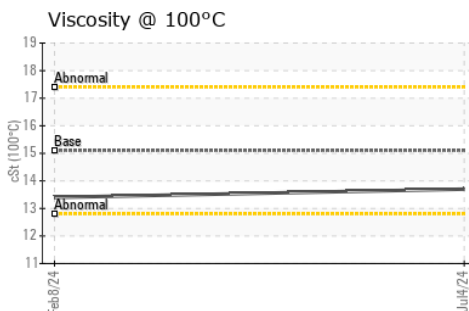
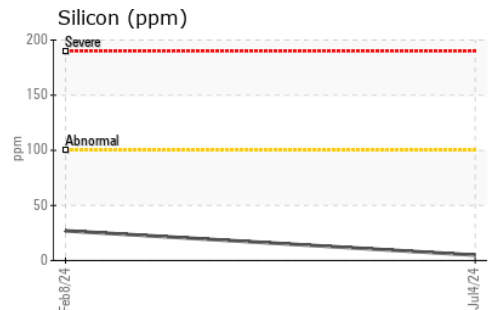
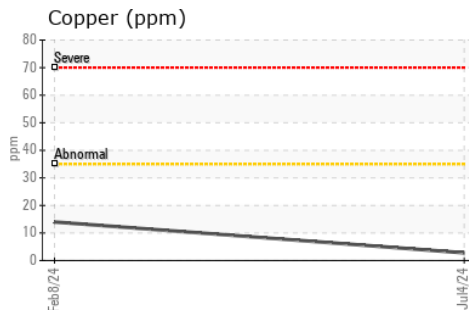
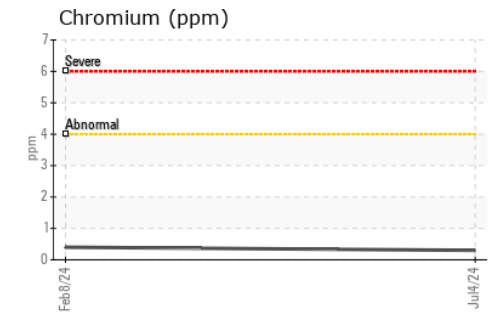
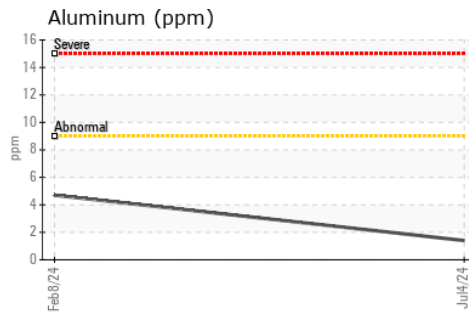
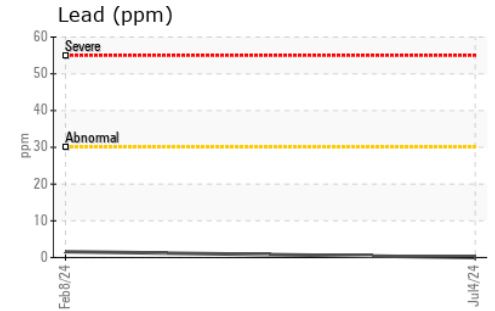
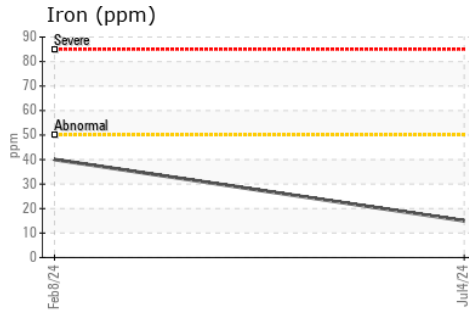
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	▲ .2%
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	13.7	13.4

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0118907  
**Lab Number** : 02645829  
**Unique Number** : 5803368  
**Test Package** : MOB 1

**GFL Environmental - 222 - Sandhill**  
 SANDHILL DISPOSAL & RECYCLING DIVIS, 19 COMMERCE ROAD  
 ORANGEVILLE, ON  
 CA L9W 3X5  
 Contact: GLENN COOK  
 gcook@gflenv.com  
 T: (519)940-4167  
 F:

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.