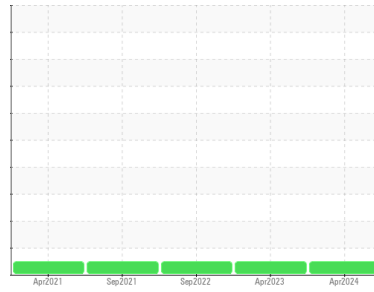




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id

**730000**

Component

**Natural Gas Engine**

Fluid

**PETRO CANADA DURON GEO LD 15W40 (--- LTR)**

## 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>GFL0112491</b>	GFL0077981	GFL0057741
Sample Date	Client Info		<b>29 Apr 2024</b>	21 Apr 2023	07 Sep 2022
Machine Age	hrs	Client Info	<b>9087</b>	7678	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Changed</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>50	<b>18</b>	18	21
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	2	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>30	<b>2</b>	3	10
Copper	ppm	ASTM D5185(m)	>35	<b>2</b>	1	2
Tin	ppm	ASTM D5185(m)	>4	<b>1</b>	<1	1
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	50	<b>8</b>	10	9
Barium	ppm	ASTM D5185(m)	5	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>52</b>	60	59
Manganese	ppm	ASTM D5185(m)	0	<b>1</b>	1	1
Magnesium	ppm	ASTM D5185(m)	560	<b>504</b>	633	672
Calcium	ppm	ASTM D5185(m)	1510	<b>1591</b>	1917	1780
Phosphorus	ppm	ASTM D5185(m)	780	<b>634</b>	819	904
Zinc	ppm	ASTM D5185(m)	870	<b>875</b>	1017	1055
Sulfur	ppm	ASTM D5185(m)	2040	<b>1983</b>	2181	2152
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>+100	<b>12</b>	5	5
Sodium	ppm	ASTM D5185(m)		<b>18</b>	9	10
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	0	<1

## INFRA-RED

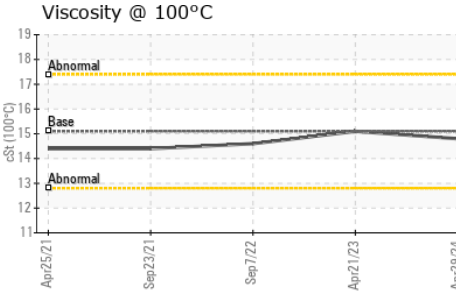
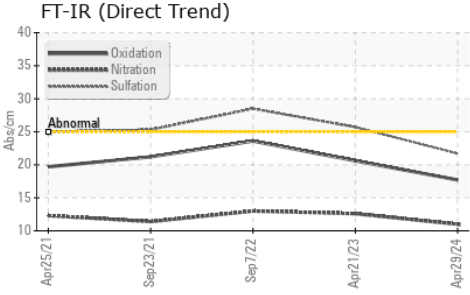
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.0</b>	12.6	13.0
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>21.7</b>	25.7	28.5

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>17.7</b>	20.6	23.6



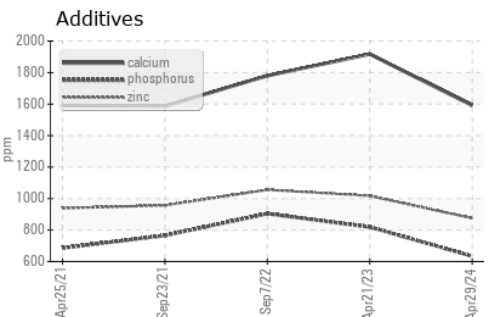
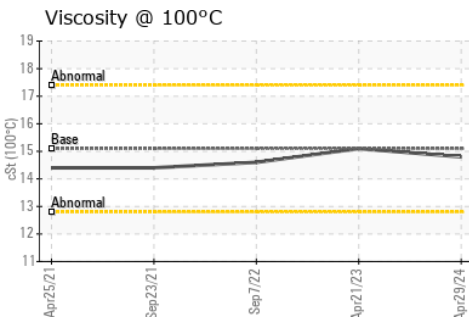
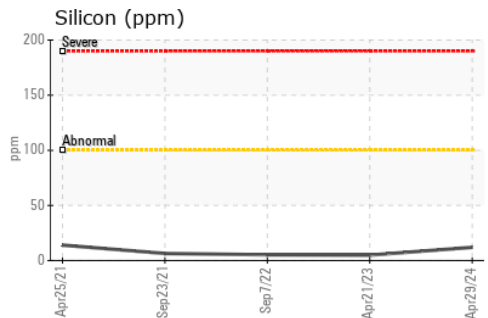
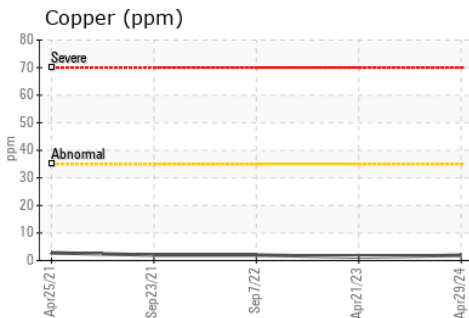
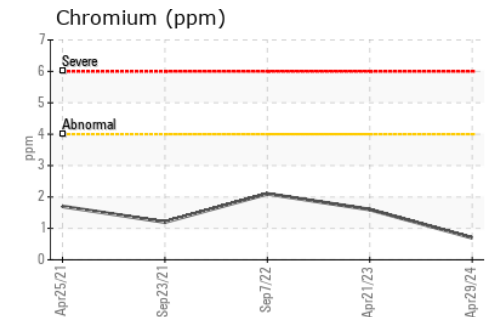
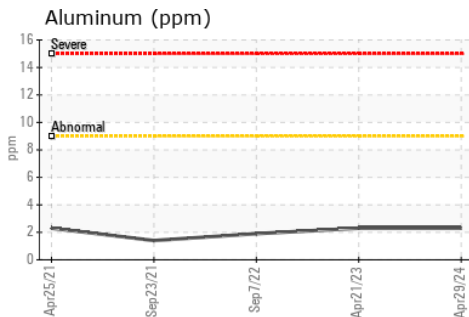
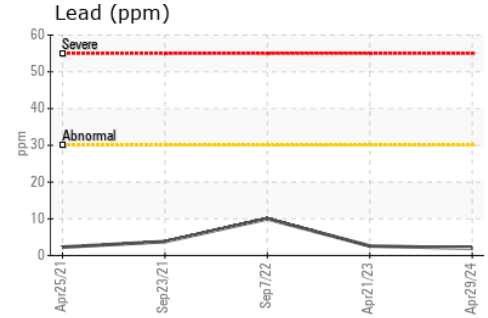
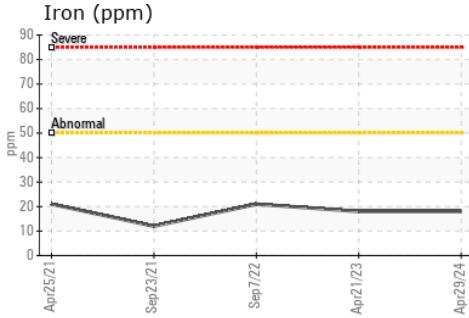
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.8	15.1

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9    **GFL Environmental - 554 - Edmonton SW**  
**Sample No.** : GFL0112491    **Received** : 08 May 2024    8409 -15th Street NW  
**Lab Number** : 02634079    **Tested** : 08 May 2024    Edmonton, AB  
**Unique Number** : 5775232    **Diagnosed** : 09 May 2024 - Kevin Marson    CA T6P 0B8  
**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.

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