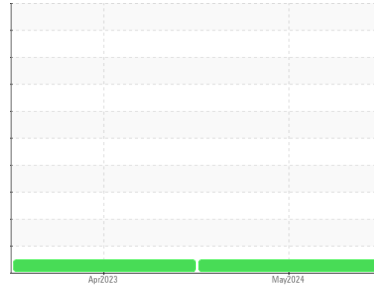




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**INTERNATIONAL 728105**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON HP 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>GFL0122265</b>	GFL0071139	---
Sample Date	Client Info			<b>28 May 2024</b>	11 Apr 2023	---
Machine Age	hrs	Client Info		<b>14639</b>	246027	---
Oil Age	hrs	Client Info		<b>407</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>2.0		<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>9</b>	23	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	6	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	3	---
Copper	ppm	ASTM D5185(m)	>330	<b>2</b>	125	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	---
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	---

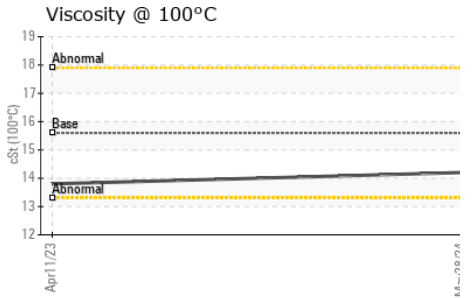
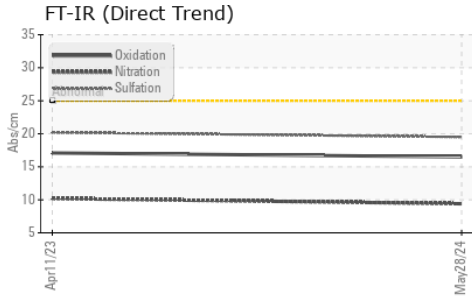
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<b>3</b>	3	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	60	<b>61</b>	61	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	<b>977</b>	930	---
Calcium	ppm	ASTM D5185(m)	1070	<b>1064</b>	1098	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1003</b>	943	---
Zinc	ppm	ASTM D5185(m)	1270	<b>1201</b>	1167	---
Sulfur	ppm	ASTM D5185(m)	2060	<b>2550</b>	2298	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	4	---
Sodium	ppm	ASTM D5185(m)		<b>1</b>	6	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0.3</b>	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.4</b>	10.2	---
Sulfation	Abs.1mm	ASTM D7415*	>30	<b>19.5</b>	20.2	---



# OIL ANALYSIS REPORT



### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	16.5	17.1

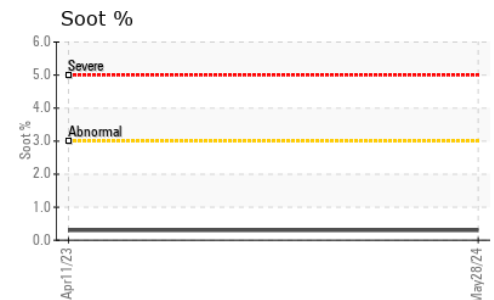
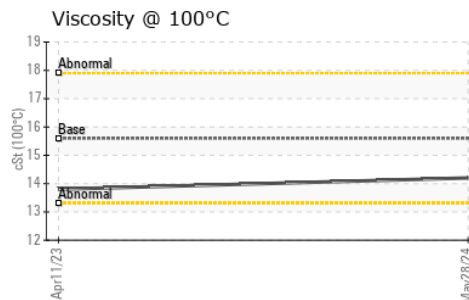
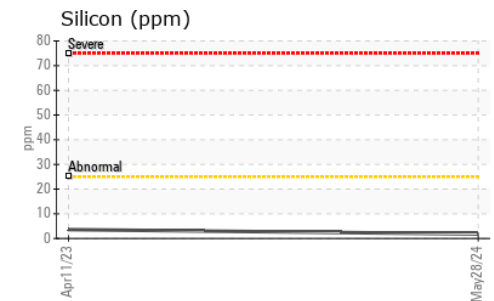
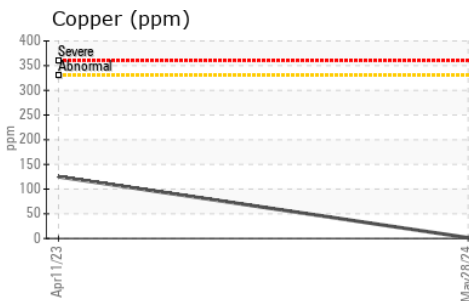
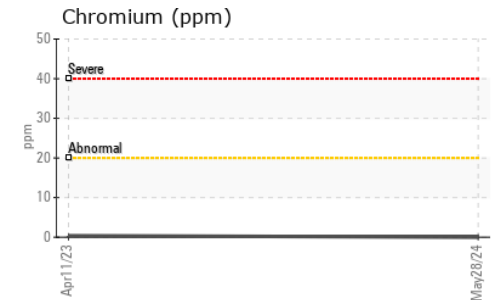
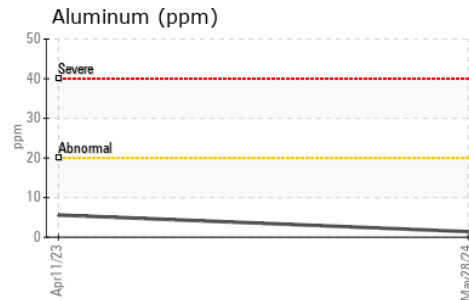
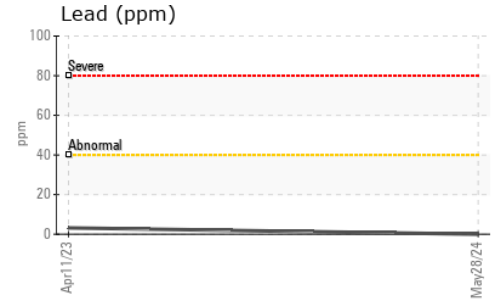
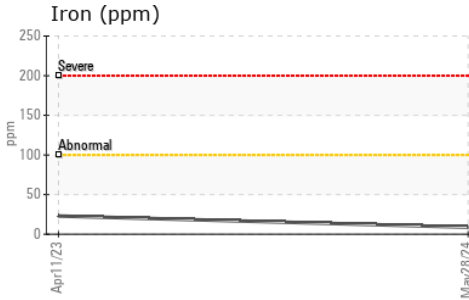
### VISUAL

	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

### FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.2	13.8

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9    **GFL Environmental - 987 - Charlottetown**  
**Sample No.** : GFL0122265    **Received** : 06 Jun 2024    7 Superior Crescent  
**Lab Number** : **02640178**    **Tested** : 06 Jun 2024    Charlottetown, PE  
**Unique Number** : 5789340    **Diagnosed** : 06 Jun 2024 - Wes Davis    CA C1A 7N5  
**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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