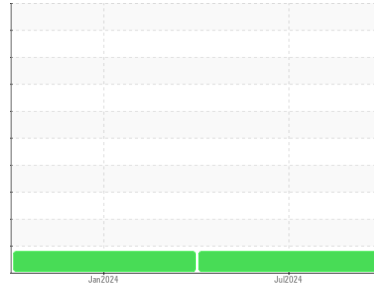




# OIL ANALYSIS REPORT

## Sample Rating Trend



## ADDITIVES



Machine Id

**Or1982**

Component

**Transmission (Manual)**

Fluid

**PETRO CANADA DURATRAN (100 LTR)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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 fluid.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0124593</b>	GFL0092286	---
Sample Date	Client Info		<b>09 Jul 2024</b>	19 Jan 2024	---
Machine Age	hrs	Client Info	<b>10000</b>	9642	---
Oil Age	hrs	Client Info	<b>10000</b>	500	---
Oil Changed	Client Info		<b>N/A</b>	Not Changd	---
Sample Status			<b>ATTENTION</b>	ATTENTION	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	<b>27</b>	36	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>7	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	3	---
Lead	ppm	ASTM D5185(m)	>45	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>225	<b>5</b>	4	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
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

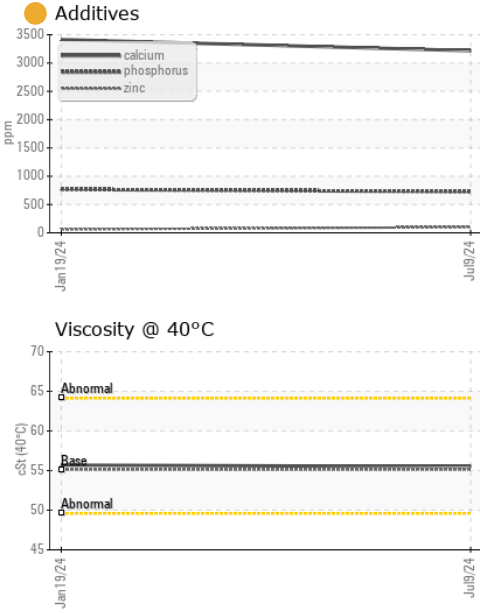
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	110	<b>110</b>	120	---
Barium	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185(m)	13	<b>17</b>	13	---
Calcium	ppm	ASTM D5185(m)	3610	<b>3217</b>	3414	---
Phosphorus	ppm	ASTM D5185(m)	1192	<b>726</b>	767	---
Zinc	ppm	ASTM D5185(m)	1455	<b>100</b>	59	---
Sulfur	ppm	ASTM D5185(m)	2641	<b>2966</b>	2956	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>125	<b>7</b>	9	---
Sodium	ppm	ASTM D5185(m)		<b>3</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	---



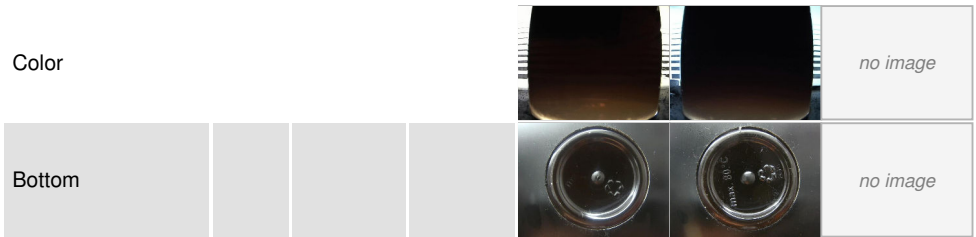
# OIL ANALYSIS REPORT



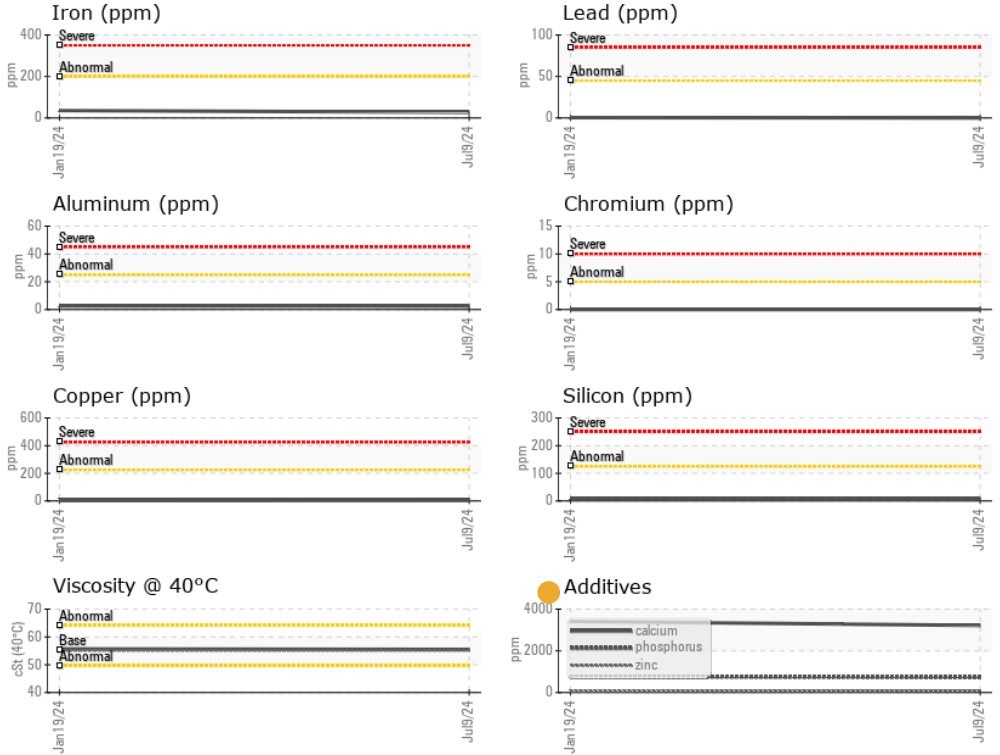
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>LIGHT</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>55.5</b>	55.7	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 720 - Lafleche - Landfill**  
**Sample No.** : GFL0124593 **Received** : 11 Jul 2024 17125 Lafleche Road,  
**Lab Number** : **02647418** **Tested** : 11 Jul 2024 Moose Creek, ON  
**Unique Number** : 5812970 **Diagnosed** : 12 Jul 2024 - Kevin Marson CA K0C 1W0  
**Test Package** : MOB 1 Contact: Charles Bergeron  
 cbergeron@gflenv.com

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.