



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id

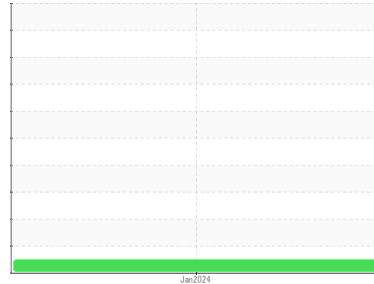
**190**

Component

**Front Differential**

Fluid

**PETRO CANADA DURATRAN (12 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 oil.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. 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>GFL0092250</b>	---	---
Sample Date	Client Info		<b>19 Jan 2024</b>	---	---
Machine Age	hrs	Client Info	<b>10017</b>	---	---
Oil Age	hrs	Client Info	<b>500</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	<b>16</b>	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	---
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	---
Copper	ppm	ASTM D5185(m)	>100	<b>1</b>	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---
Antimony	ppm	ASTM D5185(m)	>5	<b>1</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

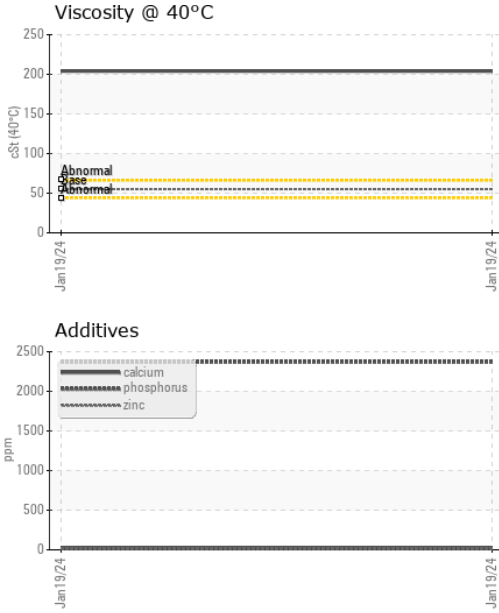
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	110	<b>229</b>	---
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>0</b>	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	---
Magnesium	ppm	ASTM D5185(m)	13	<b>1</b>	---
Calcium	ppm	ASTM D5185(m)	3610	<b>20</b>	---
Phosphorus	ppm	ASTM D5185(m)	1192	<b>2371</b>	---
Zinc	ppm	ASTM D5185(m)	1455	<b>10</b>	---
Sulfur	ppm	ASTM D5185(m)	2641	<b>16204</b>	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<b>3</b>	---
Sodium	ppm	ASTM D5185(m)		<b>1</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---



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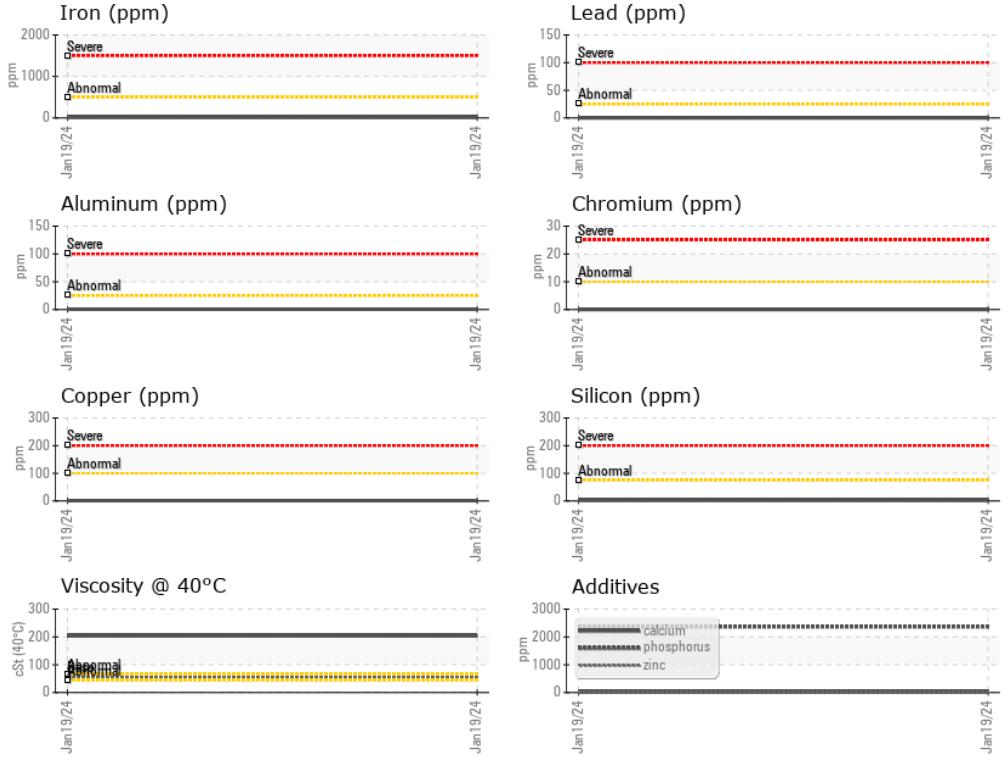
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	204	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill  
**Sample No.** : GFL0092250 **Received** : 24 Jan 2024  
**Lab Number** : 02610942 **Diagnosed** : 24 Jan 2024  
**Unique Number** : 5720037 **Diagnostician** : Wes Davis  
**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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