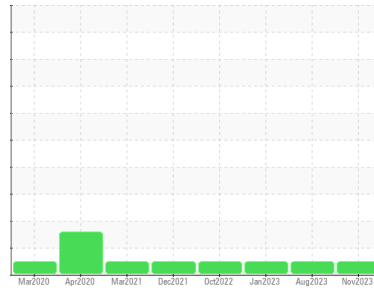




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**OR500**

Component  
**Front Differential**

Fluid  
**PETRO CANADA DURATRAN (68 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>GFL0092237</b>	GFL0087407	GFL0064921
Sample Date	Client Info		<b>15 Nov 2023</b>	02 Aug 2023	30 Jan 2023
Machine Age	hrs	Client Info	<b>18038</b>	17633	16910
Oil Age	hrs	Client Info	<b>1000</b>	723	16910
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	<b>103</b>	95	253
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	3
Aluminum	ppm	ASTM D5185(m) >25	<b>1</b>	2	1
Lead	ppm	ASTM D5185(m) >25	<b>8</b>	4	3
Copper	ppm	ASTM D5185(m) >100	<b>11</b>	8	15
Tin	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	1
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	<1	0
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) 110	<b>96</b>	99	86
Barium	ppm	ASTM D5185(m) 0.0	<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m) 0.0	<b>3</b>	4	6
Manganese	ppm	ASTM D5185(m) 1	<b>1</b>	2	3
Magnesium	ppm	ASTM D5185(m) 13	<b>40</b>	41	34
Calcium	ppm	ASTM D5185(m) 3610	<b>3452</b>	3422	3251
Phosphorus	ppm	ASTM D5185(m) 1192	<b>1062</b>	1114	1127
Zinc	ppm	ASTM D5185(m) 1455	<b>1301</b>	1291	1327
Sulfur	ppm	ASTM D5185(m) 2641	<b>2910</b>	2742	4047
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

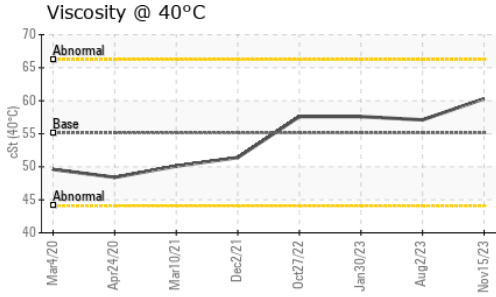
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>12</b>	13	10
Sodium	ppm	ASTM D5185(m)	<b>3</b>	2	4
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	0

## VISUAL

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



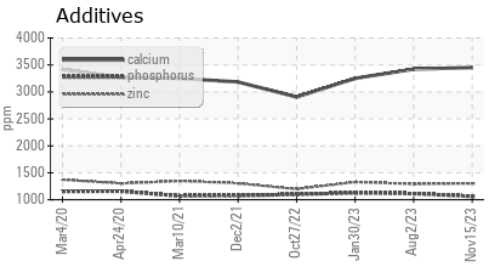
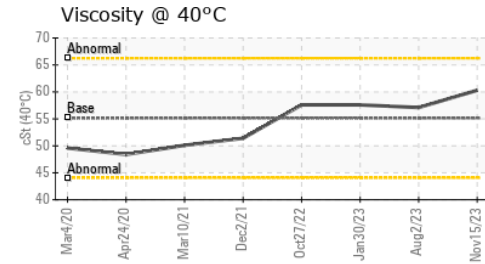
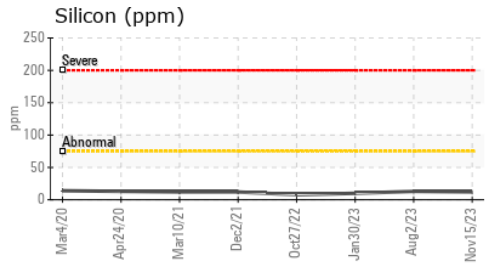
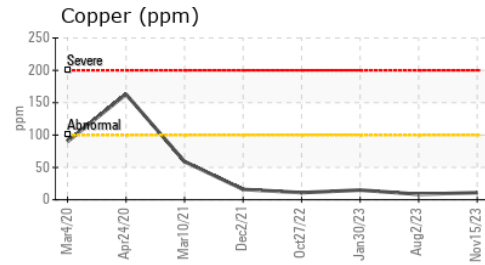
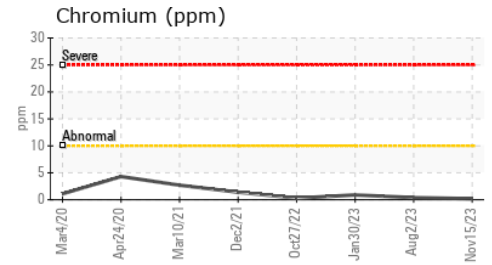
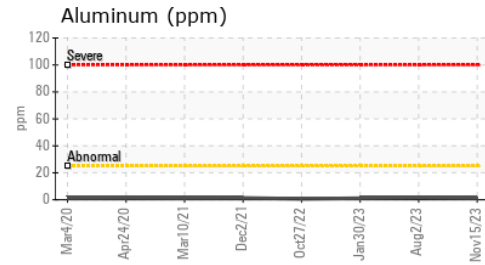
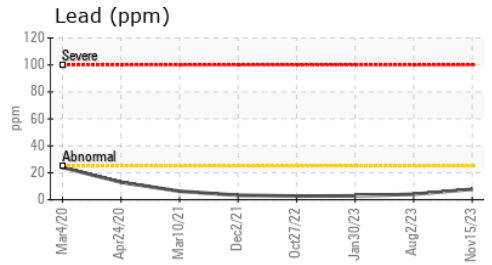
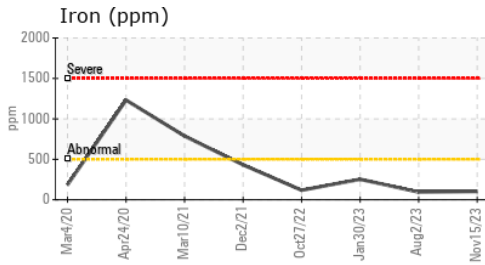
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>60.3</b>	57.1	57.6

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill  
**Sample No.** : GFL0092237 **Received** : 17 Nov 2023  
**Lab Number** : 02597189 **Diagnosed** : 17 Nov 2023  
**Unique Number** : 5682269 **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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