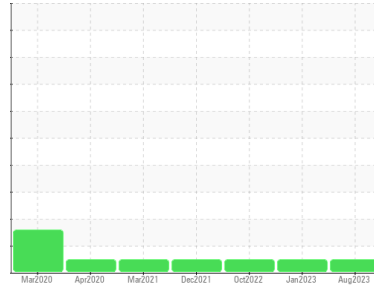




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**OR500**

Component  
**Rear 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>GFL0087405</b>	GFL0064919	GFL0049027	
Sample Date	Client Info	<b>02 Aug 2023</b>	30 Jan 2023	27 Oct 2022	
Machine Age	hrs	Client Info	<b>17633</b>	16235	16235
Oil Age	hrs	Client Info	<b>723</b>	14679	850
Oil Changed	Client Info	<b>Not Changed</b>	Changed	Not Changed	
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL	

### WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185(m)	>500	<b>20</b>	37	25
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>1</b>	1	1
Lead	ppm	ASTM D5185(m)	>25	<b>14</b>	9	7
Copper	ppm	ASTM D5185(m)	>100	<b>84</b>	25	18
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	2	1
Antimony	ppm	ASTM D5185(m)	>5	<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)	110	<b>97</b>	95	87
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>2</b>	3	3
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185(m)	13	<b>40</b>	38	36
Calcium	ppm	ASTM D5185(m)	3610	<b>3359</b>	3235	3076
Phosphorus	ppm	ASTM D5185(m)	1192	<b>1073</b>	1115	1076
Zinc	ppm	ASTM D5185(m)	1455	<b>1039</b>	1277	1214
Sulfur	ppm	ASTM D5185(m)	2641	<b>2496</b>	2782	2701
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

### CONTAMINANTS

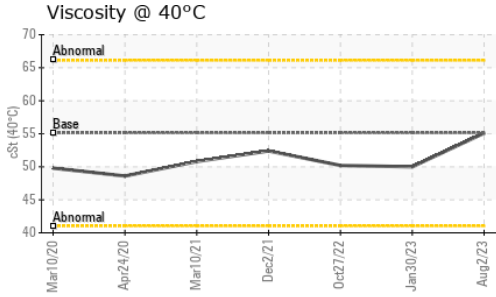
method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>75	<b>12</b>	12	10
Sodium	ppm	ASTM D5185(m)		<b>2</b>	5	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0

### 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

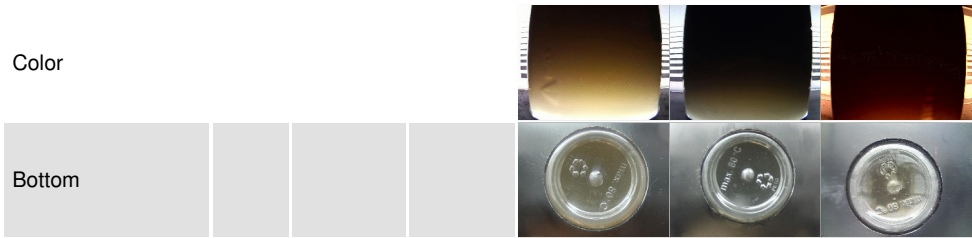


# OIL ANALYSIS REPORT

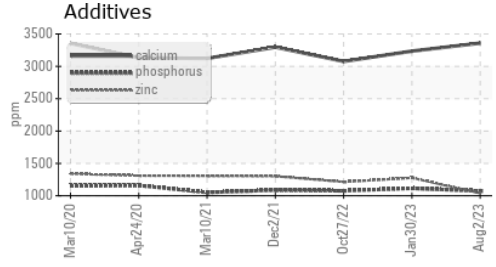
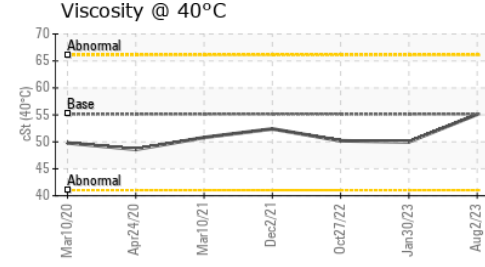
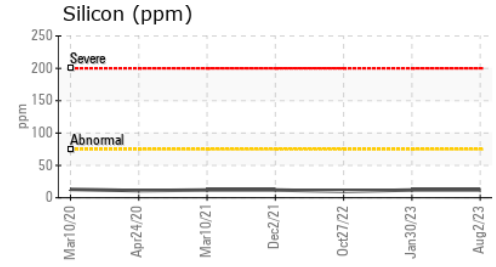
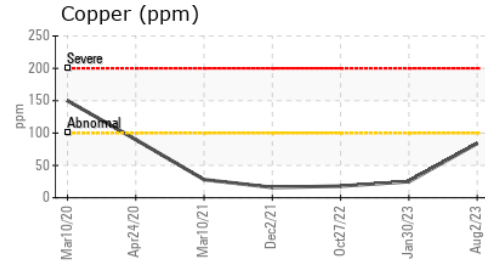
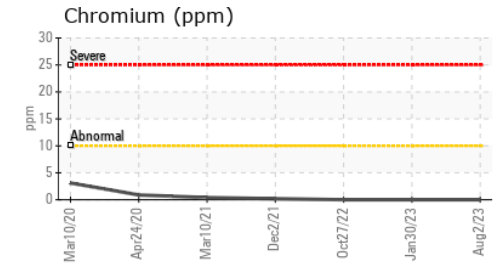
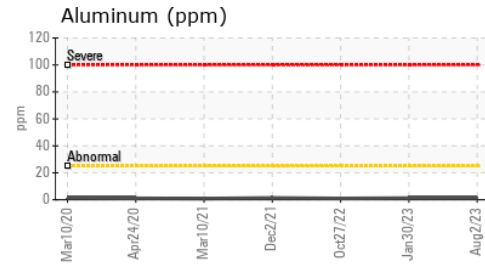
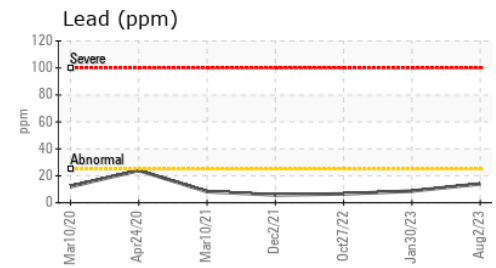
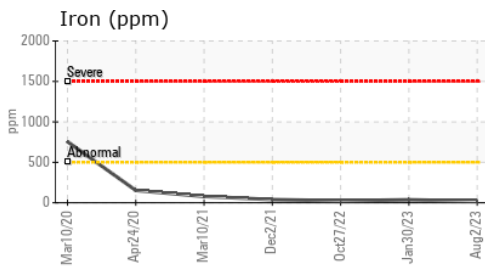


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>55.1</b>	50.0	50.2

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.** : GFL0087405 **Received** : 11 Aug 2023  
**Lab Number** : 02575423 **Diagnosed** : 11 Aug 2023  
**Unique Number** : 5620474 **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.