



# OIL ANALYSIS REPORT

Sample Rating Trend

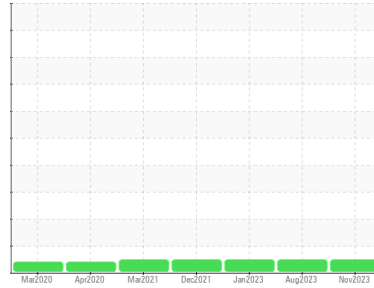
**NORMAL**



Machine Id  
**OR500**

Component  
**Transmission (Manual)**

Fluid  
**PETRO CANADA DURATRAN (28 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 fluid.

### Fluid Condition

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>GFL0092239</b>	GFL0087408	GFL0064916
Sample Date	Client Info	<b>15 Nov 2023</b>	02 Aug 2023	30 Jan 2023
Machine Age	hrs	<b>18038</b>	16910	16235
Oil Age	hrs	<b>1000</b>	675	1000
Oil Changed	Client Info	<b>N/A</b>	Not Changd	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185(m)	>200	<b>6</b>	5	5
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>7	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>1</b>	<1	1
Lead	ppm	ASTM D5185(m)	>45	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185(m)	>225	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	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>40</b>	47	68
Barium	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>2</b>	3	1
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	13	<b>40</b>	44	27
Calcium	ppm	ASTM D5185(m)	3610	<b>2457</b>	2794	2466
Phosphorus	ppm	ASTM D5185(m)	1192	<b>916</b>	991	1012
Zinc	ppm	ASTM D5185(m)	1455	<b>1121</b>	1164	1161
Sulfur	ppm	ASTM D5185(m)	2641	<b>2621</b>	2525	2350
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

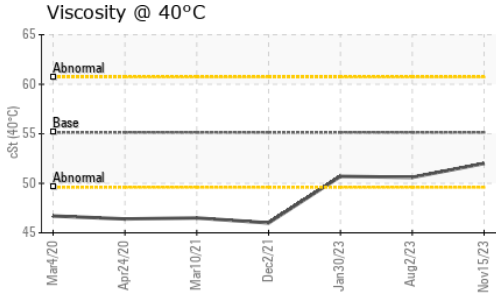
method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>125	<b>4</b>	5	5
Sodium	ppm	ASTM D5185(m)		<b>2</b>	1	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0

## 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*	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG



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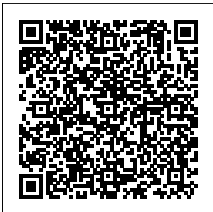
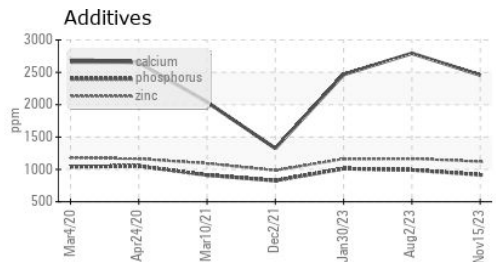
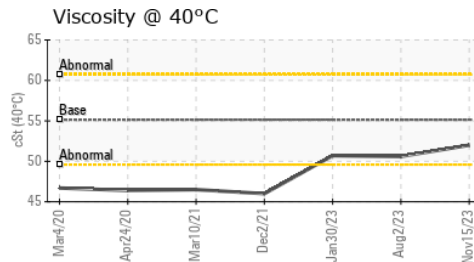
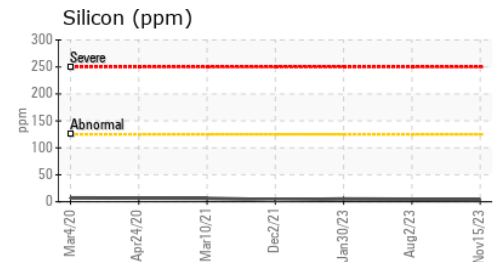
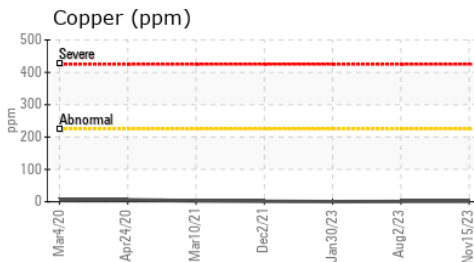
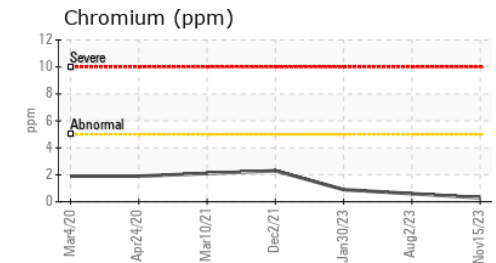
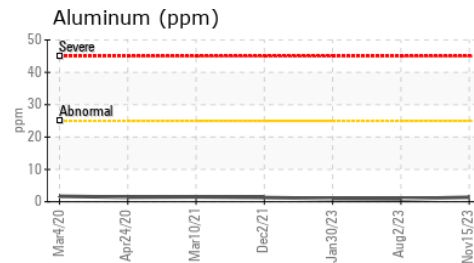
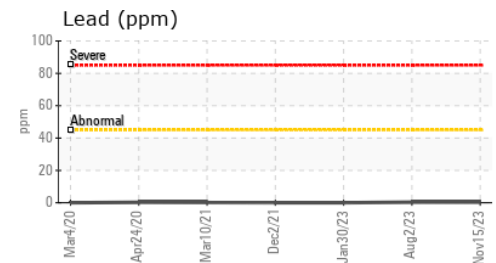
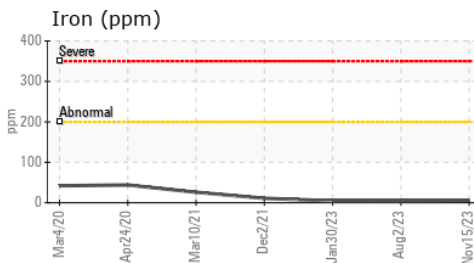


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>52.0</b>	50.6	50.7

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.** : GFL0092239 **Received** : 17 Nov 2023  
**Lab Number** : 02597119 **Diagnosed** : 17 Nov 2023  
**Unique Number** : 5682199 **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.

17125 Lafleche Road,  
 Moose Creek, ON  
 CA K0C 1W0  
 Contact: Charles Bergeron  
 cbergeron@gflenv.com  
 T: (613)538-4853  
 F: