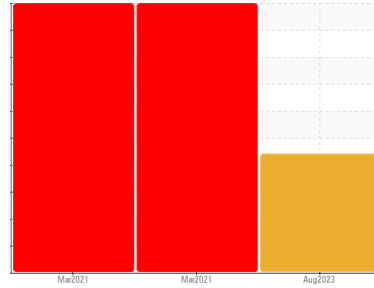




# OIL ANALYSIS REPORT

## Sample Rating Trend



GLYCOL



Machine Id  
**OR343**

Component  
**Transmission (Auto)**

Fluid  
**PETRO CANADA DURATRAN (--- GAL)**

### DIAGNOSIS

#### Recommendation

We advise that you check for the source of the coolant leak. We recommend that you drain the fluid from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with fluid. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### Contamination

Test for glycol is positive. There is a moderate concentration of glycol present in the fluid.

#### Fluid Condition

Additive levels indicate the addition of a different brand, or type of fluid. The fluid is no longer serviceable due to the presence of contaminants.

### SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0092258</b>	GFL0010815	GFL0010894
Sample Date	Client Info	<b>21 Aug 2023</b>	10 Mar 2021	01 Mar 2021
Machine Age	hrs	<b>15462</b>	0	12385
Oil Age	hrs	<b>500</b>	5	2000
Oil Changed	Client Info	<b>Not Chngd</b>	Changed	Changed
Sample Status		<b>ABNORMAL</b>	SEVERE	SEVERE

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >160	<b>9</b>	6	17
Chromium	ppm	ASTM D5185(m) >5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m) >5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m) >5	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m) >50	<b>2</b>	2	6
Copper	ppm	ASTM D5185(m) >225	<b>4</b>	1	2
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>▲ 11</b>	▲ 10	10
Barium	ppm	ASTM D5185(m) 0.0	<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m) 0.0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m) 1	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m) 13	<b>6</b>	2	3
Calcium	ppm	ASTM D5185(m) 3610	<b>▲ 372</b>	▲ 102	131
Phosphorus	ppm	ASTM D5185(m) 1192	<b>▲ 691</b>	▲ 592	608
Zinc	ppm	ASTM D5185(m) 1455	<b>▲ 818</b>	▲ 778	747
Sulfur	ppm	ASTM D5185(m) 2641	<b>▲ 1534</b>	▲ 1507	1575
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

### CONTAMINANTS

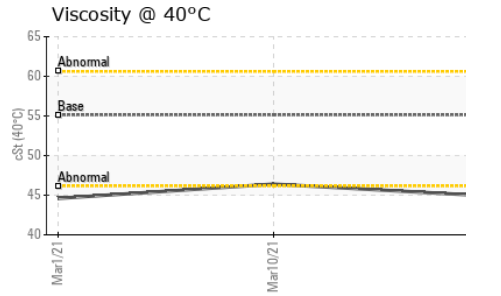
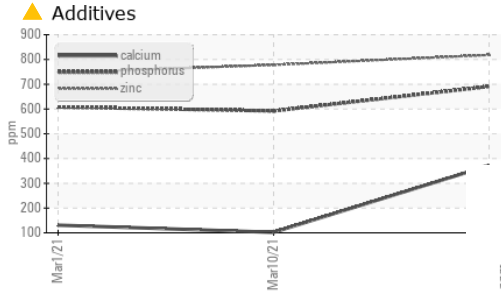
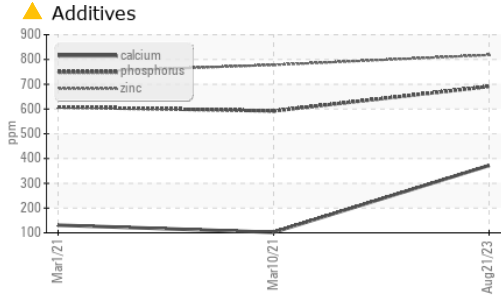
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >20	<b>1</b>	3	5
Sodium	ppm	ASTM D5185(m)	<b>5</b>	18	▲ 20
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	▲ 13	▲ 5
Glycol	%	ASTM D7922*	<b>▲ 0.046</b>	● 0.871	● >.70

### 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>VLITE</b>	NONE	NONE
Sand/Dirt	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual* NORML	<b>NORML</b>	▲ HAZY	▲ HAZY
Odor	scalar	Visual* NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual* >0.1	<b>NEG</b>	▲ .5%	▲ 1%
Free Water	scalar	Visual*	<b>NEG</b>	▲ .2%	▲ 1%



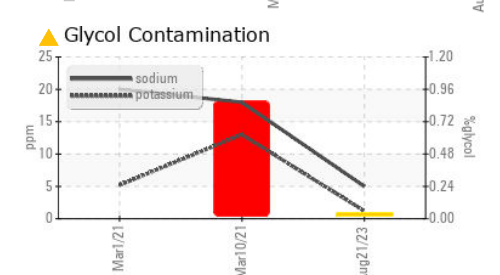
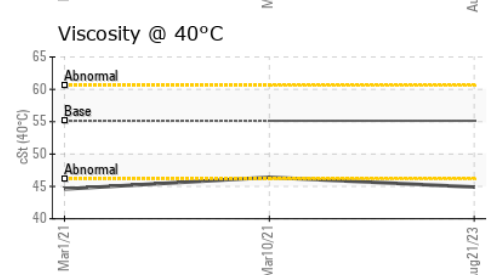
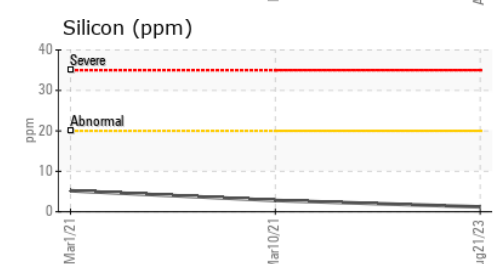
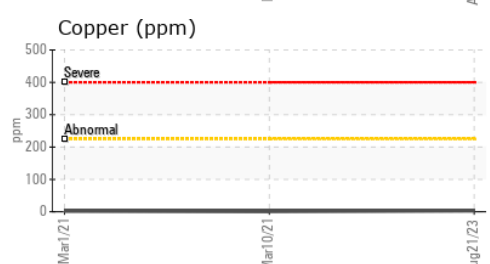
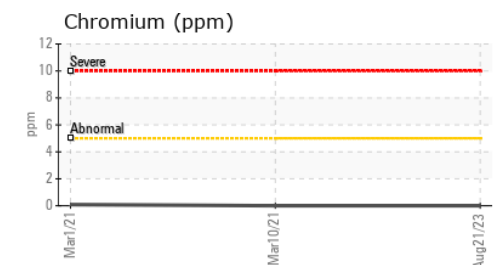
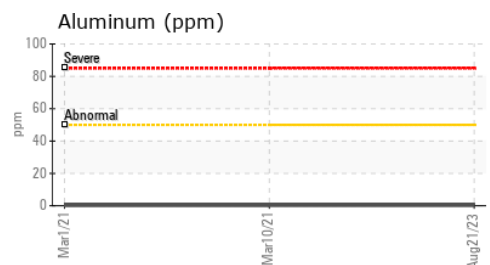
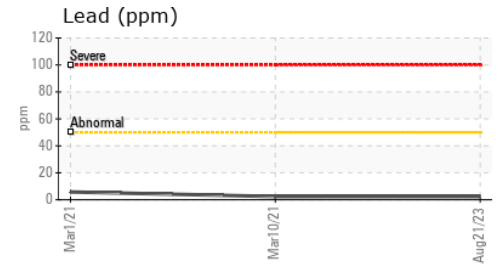
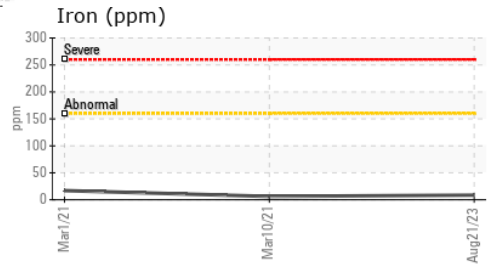
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>44.9</b>	46.4	44.6

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.** : GFL0092258 **Received** : 01 Sep 2023 17125 Lafleche Road, Moose Creek, ON CA K0C 1W0  
**Lab Number** : 02580081 **Diagnosed** : 06 Sep 2023 Contact: Charles Bergeron cbergeron@gflenv.com  
**Unique Number** : 5633141 **Diagnostician** : Kevin Marson T: (613)538-4853  
**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.