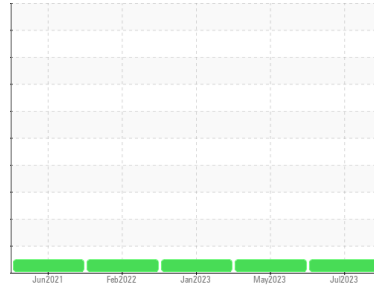




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**901139**

Component  
**Transmission (Auto)**

Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)**

## 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>GFL0084172</b>	GFL0073105	GFL0063610
Sample Date	Client Info	<b>26 Jul 2023</b>	10 May 2023	18 Jan 2023
Machine Age	hrs Client Info	<b>5924</b>	5260	4168
Oil Age	hrs Client Info	<b>0</b>	600	600
Oil Changed	Client Info	<b>N/A</b>	Changed	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >160	<b>101</b>	100	80
Chromium	ppm ASTM D5185(m) >5	<b>&lt;1</b>	0	0
Nickel	ppm ASTM D5185(m) >5	<b>0</b>	0	<1
Titanium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Silver	ppm ASTM D5185(m) >5	<b>0</b>	0	0
Aluminum	ppm ASTM D5185(m) >50	<b>36</b>	34	24
Lead	ppm ASTM D5185(m) >50	<b>34</b>	32	23
Copper	ppm ASTM D5185(m) >225	<b>54</b>	58	47
Tin	ppm ASTM D5185(m) >10	<b>2</b>	2	2
Antimony	ppm ASTM D5185(m)	<b>0</b>	<1	<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) 78	<b>155</b>	170	178
Barium	ppm ASTM D5185(m)	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185(m) 0	<b>0</b>	0	0
Manganese	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185(m) 0	<b>2</b>	1	2
Calcium	ppm ASTM D5185(m) 113	<b>153</b>	159	161
Phosphorus	ppm ASTM D5185(m) 222	<b>440</b>	473	469
Zinc	ppm ASTM D5185(m)	<b>11</b>	7	8
Sulfur	ppm ASTM D5185(m) 1326	<b>2362</b>	2519	2566
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

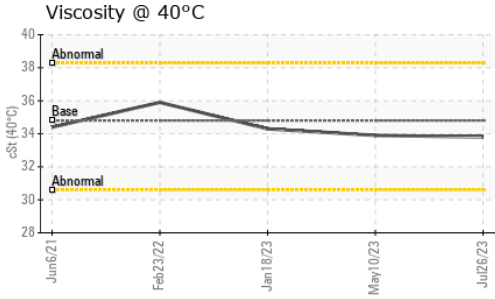
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >20	<b>7</b>	6	6
Sodium	ppm ASTM D5185(m)	<b>10</b>	10	8
Potassium	ppm ASTM D5185(m) >20	<b>2</b>	2	<1

## 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>VLITE</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

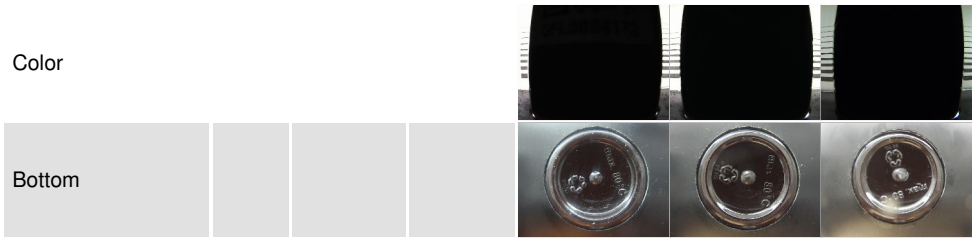


# OIL ANALYSIS REPORT

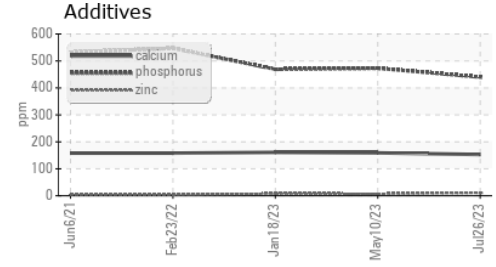
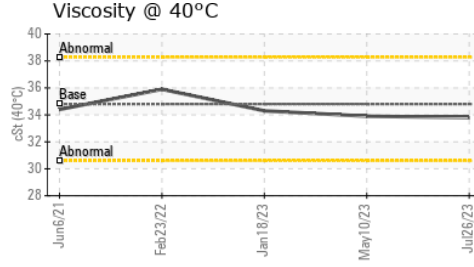
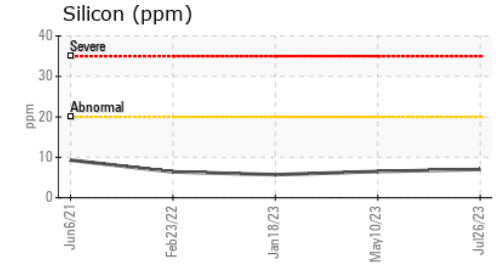
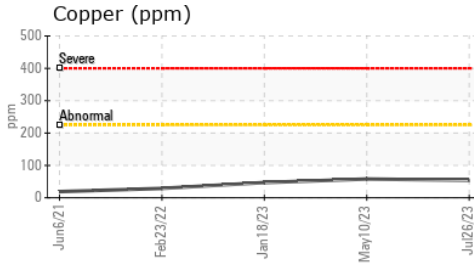
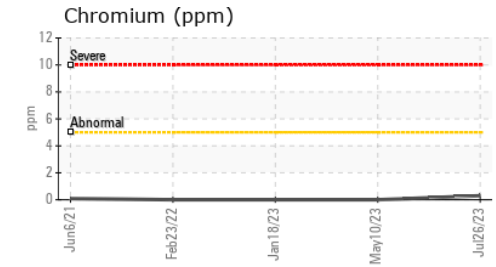
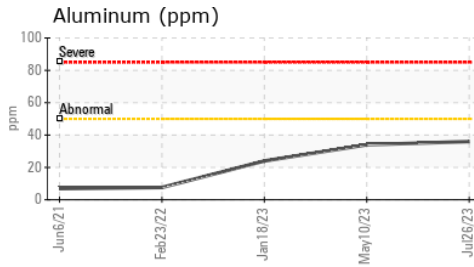
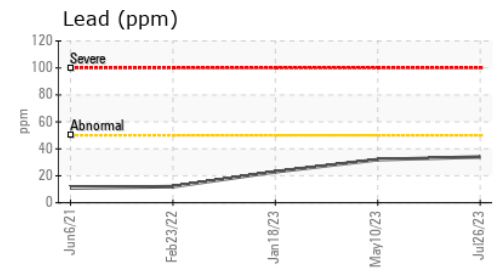
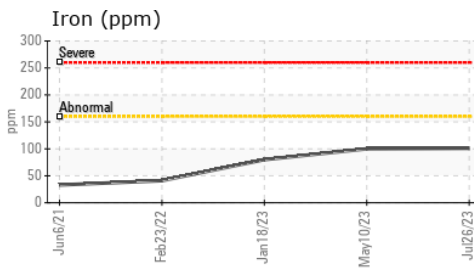


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.8	33.9

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 - 574 - Vancouver Fleet  
**Sample No.** : GFL0084172 **Received** : 02 Aug 2023  
**Lab Number** : 02573760 **Diagnosed** : 02 Aug 2023  
**Unique Number** : 5618811 **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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