



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**945019**

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>GFL0106807</b>	---	---
Sample Date	Client Info	<b>13 Mar 2024</b>	---	---
Machine Age	hrs Client Info	<b>34229</b>	---	---
Oil Age	hrs Client Info	<b>600</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >160	<b>19</b>	---	---
Chromium	ppm ASTM D5185m >5	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m >5	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m >5	<b>0</b>	---	---
Aluminum	ppm ASTM D5185m >50	<b>16</b>	---	---
Lead	ppm ASTM D5185m >50	<b>2</b>	---	---
Copper	ppm ASTM D5185m >225	<b>9</b>	---	---
Tin	ppm ASTM D5185m >10	<b>4</b>	---	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>69</b>	---	---
Barium	ppm ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	<b>1</b>	---	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m	<b>4</b>	---	---
Calcium	ppm ASTM D5185m	<b>164</b>	---	---
Phosphorus	ppm ASTM D5185m	<b>204</b>	---	---
Zinc	ppm ASTM D5185m	<b>16</b>	---	---
Sulfur	ppm ASTM D5185m	<b>1659</b>	---	---

## CONTAMINANTS

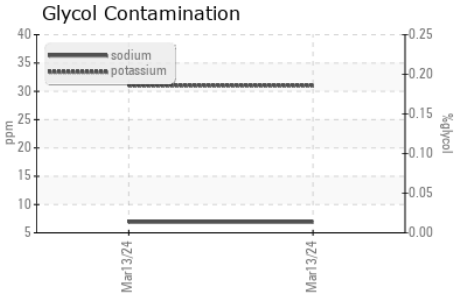
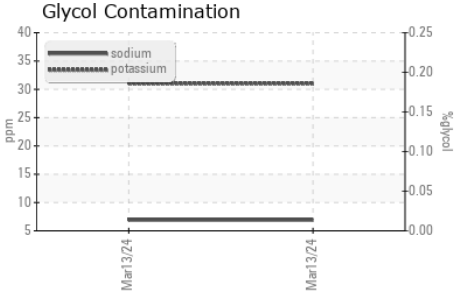
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>4</b>	---	---
Sodium	ppm ASTM D5185m	<b>7</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>31</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	---	---
Yellow Metal	scalar *Visual NONE	<b>NONE</b>	---	---
Precipitate	scalar *Visual NONE	<b>NONE</b>	---	---
Silt	scalar *Visual NONE	<b>NONE</b>	---	---
Debris	scalar *Visual NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar *Visual NONE	<b>NONE</b>	---	---
Appearance	scalar *Visual NORML	<b>NORML</b>	---	---
Odor	scalar *Visual NORML	<b>NORML</b>	---	---
Emulsified Water	scalar *Visual >0.1	<b>NEG</b>	---	---
Free Water	scalar *Visual	<b>NEG</b>	---	---



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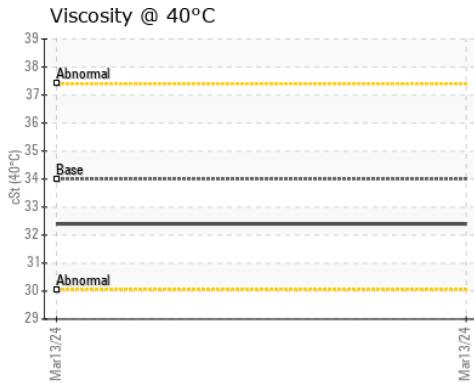
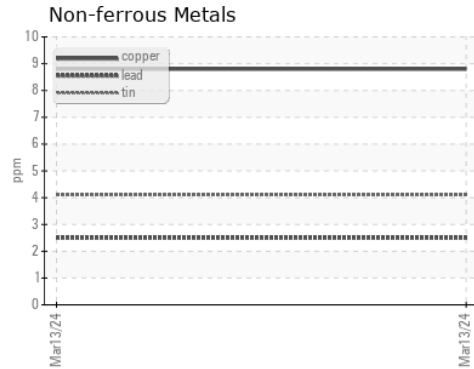
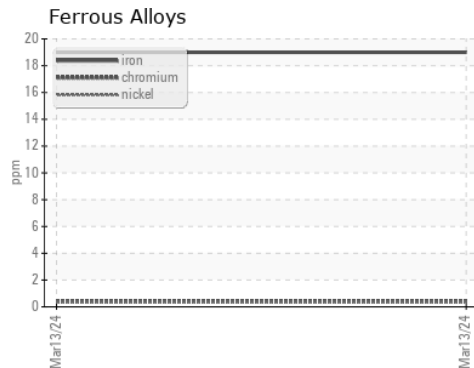
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	<b>32.4</b>	---	---

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0106807      **Received** : 20 Mar 2024  
**Lab Number** : 06124102      **Tested** : 23 Mar 2024  
**Unique Number** : 10938253      **Diagnosed** : 23 Mar 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: Glycol )

**GFL Environmental - 856 - Houston South**  
 8515 Highway 6 South  
 Houston, TX  
 US 77083  
 Contact: Apolinar Zacarias  
 pzacariascano@gflenv.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)