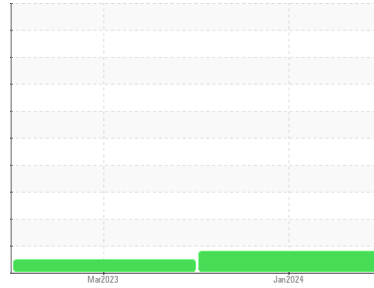




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**741001-310090**

Component  
**Transmission (Auto)**

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

## DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

The aluminum level is abnormal. All other 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>GFL0092125</b>	GFL0078017	---
Sample Date	Client Info		<b>24 Jan 2024</b>	29 Mar 2023	---
Machine Age	hrs	Client Info	<b>9409</b>	86438	---
Oil Age	hrs	Client Info	<b>600</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Not Changd	---
Sample Status			<b>ABNORMAL</b>	NORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>159</b>	138	---
Chromium	ppm	ASTM D5185m >5	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m >5	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m >5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >50	<b>64</b>	51	---
Lead	ppm	ASTM D5185m >50	<b>17</b>	9	---
Copper	ppm	ASTM D5185m >225	<b>17</b>	15	---
Tin	ppm	ASTM D5185m >10	<b>2</b>	2	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>54</b>	65	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>2</b>	3	---
Manganese	ppm	ASTM D5185m	<b>2</b>	3	---
Magnesium	ppm	ASTM D5185m	<b>0</b>	1	---
Calcium	ppm	ASTM D5185m	<b>61</b>	65	---
Phosphorus	ppm	ASTM D5185m	<b>223</b>	245	---
Zinc	ppm	ASTM D5185m	<b>6</b>	8	---
Sulfur	ppm	ASTM D5185m	<b>732</b>	1041	---

## CONTAMINANTS

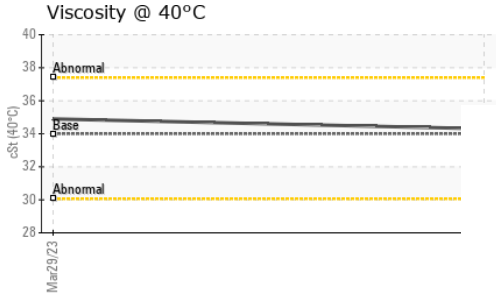
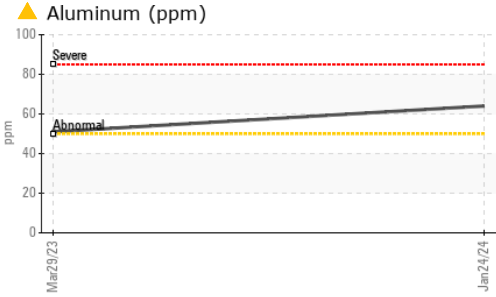
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>12</b>	9	---
Sodium	ppm	ASTM D5185m	<b>10</b>	9	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	2	---

## VISUAL

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



# OIL ANALYSIS REPORT

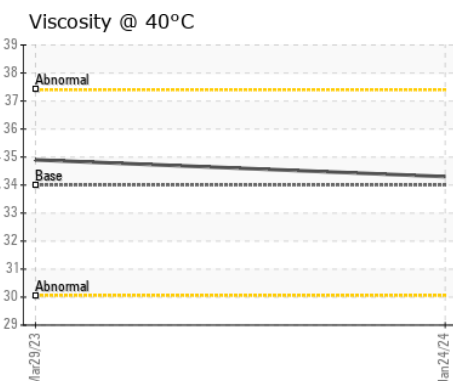
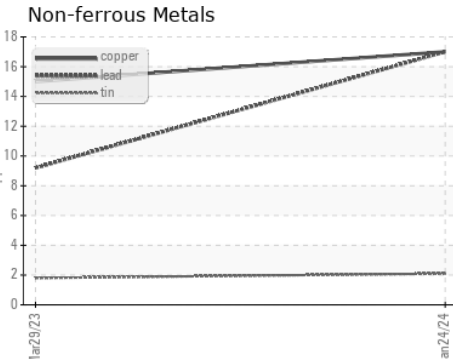
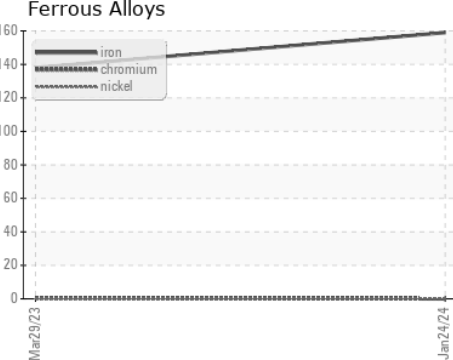


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34	<b>34.3</b>	34.9	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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.** : GFL0092125 **Received** : 30 Jan 2024  
**Lab Number** : **06075215** **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10857306 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

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

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)