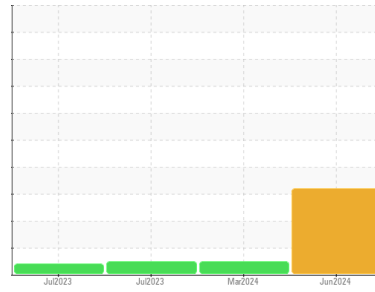




# OIL ANALYSIS REPORT

Sample Rating Trend



## VISCOSITY



Machine Id  
**426079-402318**

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 fluid viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

### SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0124044</b>	GFL0114097	GFL0090665
Sample Date	Client Info	<b>27 Jun 2024</b>	06 Mar 2024	20 Jul 2023
Machine Age	hrs	<b>2978</b>	2396	1751
Oil Age	hrs	<b>0</b>	2396	1751
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status		<b>ATTENTION</b>	NORMAL	NORMAL

### CONTAMINATION

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

### WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >160	<b>50</b>	34	35
Chromium	ppm ASTM D5185m >5	<b>2</b>	<1	0
Nickel	ppm ASTM D5185m >5	<b>2</b>	0	<1
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm ASTM D5185m >5	<b>&lt;1</b>	0	0
Aluminum	ppm ASTM D5185m >50	<b>7</b>	8	10
Lead	ppm ASTM D5185m >50	<b>6</b>	<1	<1
Copper	ppm ASTM D5185m >225	<b>10</b>	5	7
Tin	ppm ASTM D5185m >10	<b>2</b>	<1	<1
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>20</b>	68	63
Barium	ppm ASTM D5185m	<b>2</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>63</b>	0	<1
Manganese	ppm ASTM D5185m	<b>8</b>	0	<1
Magnesium	ppm ASTM D5185m	<b>698</b>	3	2
Calcium	ppm ASTM D5185m	<b>1625</b>	127	122
Phosphorus	ppm ASTM D5185m	<b>844</b>	207	199
Zinc	ppm ASTM D5185m	<b>1049</b>	6	10
Sulfur	ppm ASTM D5185m	<b>2406</b>	1667	1780

### CONTAMINANTS

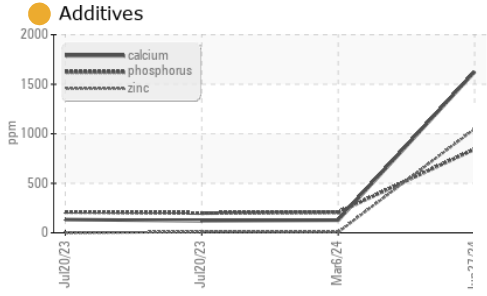
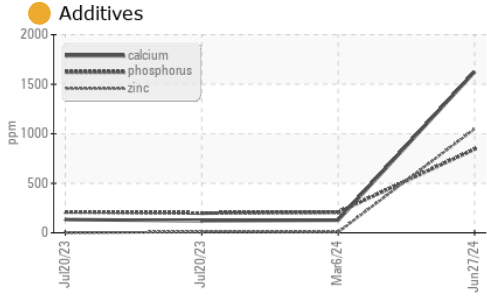
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>16</b>	5	5
Sodium	ppm ASTM D5185m	<b>4</b>	8	18
Potassium	ppm ASTM D5185m >20	<b>6</b>	4	10

### 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>	LIGHT	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



# OIL ANALYSIS REPORT



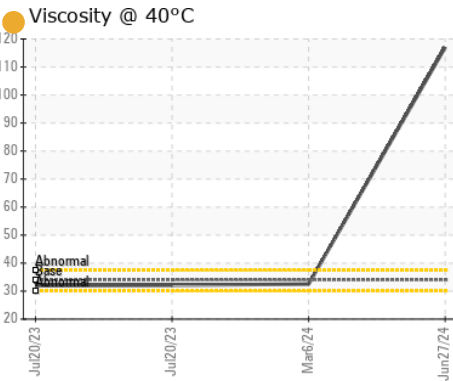
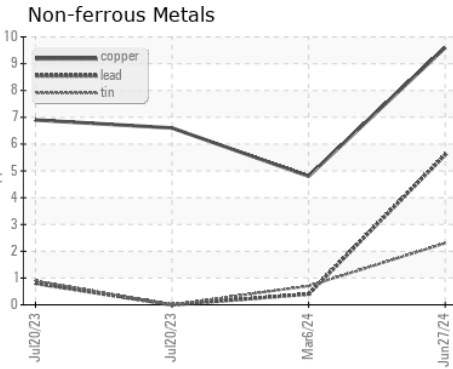
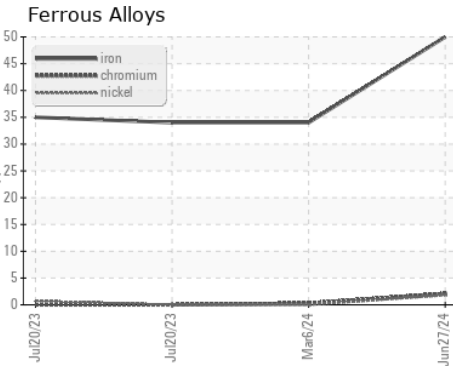
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	● 117	32.5	32.1

### 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.** : GFL0124044      **Received** : 01 Jul 2024  
**Lab Number** : 06224920      **Tested** : 02 Jul 2024  
**Unique Number** : 11103117      **Diagnosed** : 02 Jul 2024 - Don Baldrige  
**Test Package** : FLEET

**GFL Environmental - 836 - Kansas City Hauling**  
 7801 East Truman Road  
 Kansas City, MO  
 US 64126  
 Contact: Loyce Stewart  
 loyce.stewart@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)