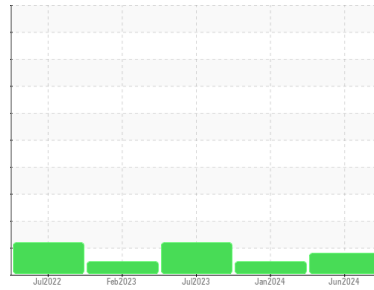




# OIL ANALYSIS REPORT

Sample Rating Trend



**SEDIMENT**



Machine Id  
**731115**  
 Component  
**Transmission (Auto)**

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

## DIAGNOSIS

### Recommendation

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

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of visible silt present in the sample.

### 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>GFL0124054</b>	GFL0103310	GFL0087236
Sample Date	Client Info	<b>26 Jun 2024</b>	23 Jan 2024	07 Jul 2023
Machine Age	hrs	<b>7511</b>	6492	5214
Oil Age	hrs	<b>120</b>	6492	1200
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Changed
Sample Status		<b>ABNORMAL</b>	NORMAL	ABNORMAL

## 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>147</b>	57	119
Chromium	ppm ASTM D5185m >5	<b>&lt;1</b>	0	<1
Nickel	ppm ASTM D5185m >5	<b>0</b>	<1	<1
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >50	<b>44</b>	9	34
Lead	ppm ASTM D5185m >50	<b>7</b>	0	8
Copper	ppm ASTM D5185m >225	<b>47</b>	8	34
Tin	ppm ASTM D5185m >10	<b>7</b>	1	6
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Cadmium	ppm ASTM D5185m	<b>0</b>	0	<1

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>70</b>	51	78
Barium	ppm ASTM D5185m	<b>1</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	0	2
Manganese	ppm ASTM D5185m	<b>3</b>	2	3
Magnesium	ppm ASTM D5185m	<b>0</b>	0	5
Calcium	ppm ASTM D5185m	<b>72</b>	108	61
Phosphorus	ppm ASTM D5185m	<b>244</b>	199	238
Zinc	ppm ASTM D5185m	<b>8</b>	22	0
Sulfur	ppm ASTM D5185m	<b>1130</b>	1415	999

## CONTAMINANTS

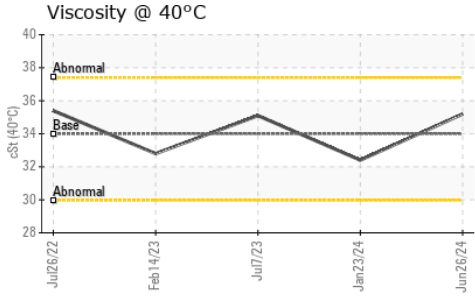
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>9</b>	7	6
Sodium	ppm ASTM D5185m	<b>11</b>	5	7
Potassium	ppm ASTM D5185m >20	<b>4</b>	1	5

## VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	<b>NONE</b>	NONE	▲ MODER
Yellow Metal	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar *Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar *Visual NONE	▲ <b>MODER</b>	NONE	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



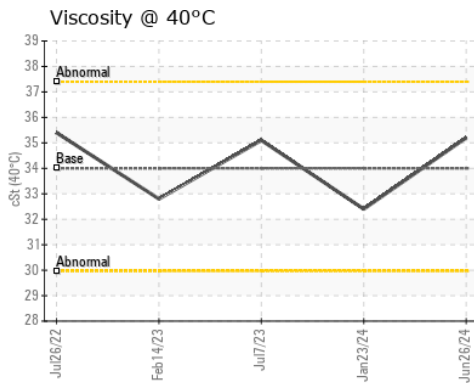
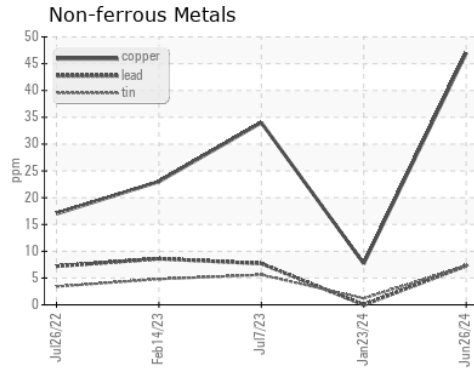
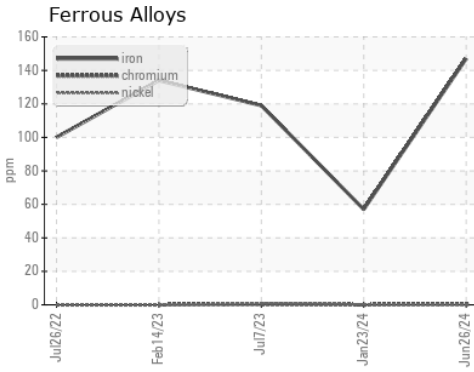
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	<b>35.2</b>	32.4	35.1

## 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.** : GFL0124054      **Received** : 28 Jun 2024  
**Lab Number** : 06223920      **Tested** : 29 Jun 2024  
**Unique Number** : 11102117      **Diagnosed** : 30 Jun 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)

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F: