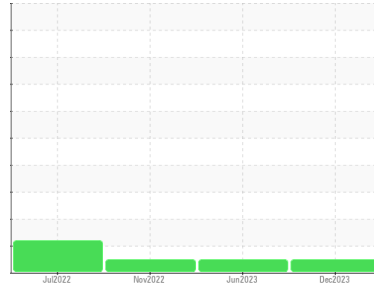




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**731119**

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 for time on oil.

### Contamination

There is no indication of any contamination in the component.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0103358</b>	GFL0083731	GFL0055657
Sample Date	Client Info	<b>21 Dec 2023</b>	06 Jun 2023	23 Nov 2022
Machine Age	hrs	<b>6906</b>	5704	0
Oil Age	hrs	<b>6906</b>	5704	1200
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	N/A
Sample Status		<b>NORMAL</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>118</b>	127	108
Chromium	ppm ASTM D5185m >5	<b>0</b>	<1	0
Nickel	ppm ASTM D5185m >5	<b>0</b>	<1	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >50	<b>47</b>	54	34
Lead	ppm ASTM D5185m >50	<b>6</b>	8	7
Copper	ppm ASTM D5185m >225	<b>43</b>	48	46
Tin	ppm ASTM D5185m >10	<b>7</b>	10	5
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>70</b>	82	99
Barium	ppm ASTM D5185m	<b>0</b>	0	<1
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Manganese	ppm ASTM D5185m	<b>2</b>	3	3
Magnesium	ppm ASTM D5185m	<b>8</b>	1	0
Calcium	ppm ASTM D5185m	<b>85</b>	63	52
Phosphorus	ppm ASTM D5185m	<b>225</b>	251	257
Zinc	ppm ASTM D5185m	<b>19</b>	5	5
Sulfur	ppm ASTM D5185m	<b>907</b>	1103	989

## CONTAMINANTS

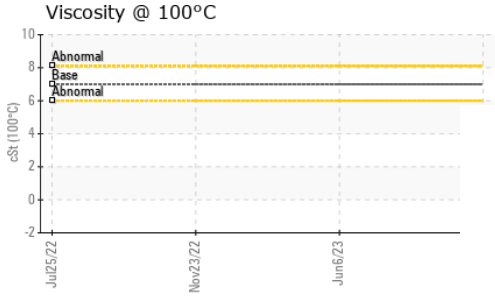
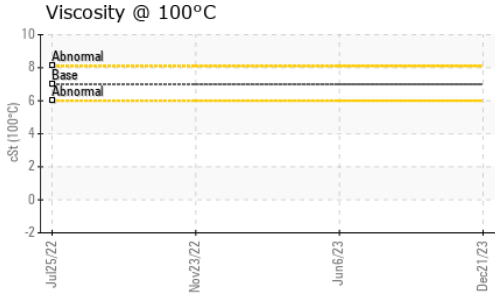
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>6</b>	6	6
Sodium	ppm ASTM D5185m	<b>11</b>	10	0
Potassium	ppm ASTM D5185m >20	<b>1</b>	4	0

## 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>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



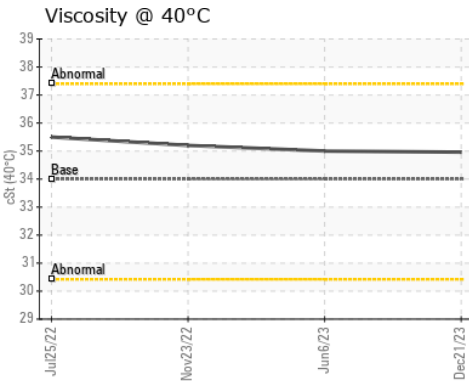
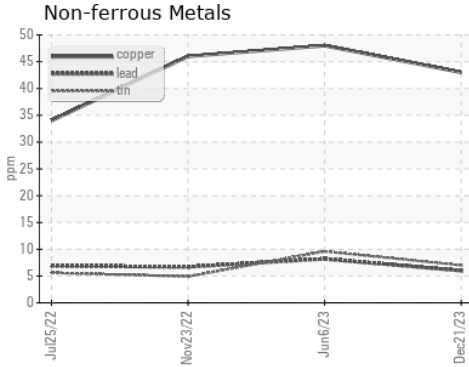
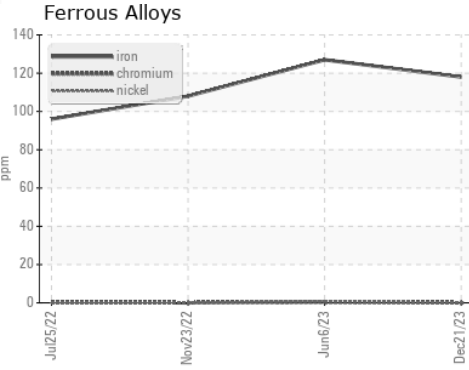
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34	<b>34.96</b>	35.0	35.2

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0103358 **Received** : 26 Dec 2023  
**Lab Number** : 06044456 **Diagnosed** : 29 Dec 2023  
**Unique Number** : 10805064 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FT-IR, KV100 )

**GFL Environmental - 836 - Kansas City Hauling**  
 7801 East Truman Road  
 Kansas City, MO  
 US 64126  
 Contact: Robert Hart  
 rhart@gflenv.com  
 T: (580)461-1509  
 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)