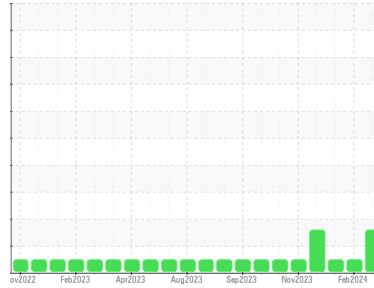




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**413026**

Component  
**Transmission (Auto)**

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

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

The iron level is abnormal. The aluminum level is abnormal.

### 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>GFL0112323</b>	GFL0109953	GFL0109899
Sample Date	Client Info	<b>14 Feb 2024</b>	12 Feb 2024	17 Jan 2024
Machine Age	hrs	<b>3159</b>	3138	2977
Oil Age	hrs	<b>1152</b>	1123	970
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status		<b>ABNORMAL</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>▲ 179</b>	156	155
Chromium	ppm ASTM D5185m >5	<b>1</b>	<1	<1
Nickel	ppm ASTM D5185m >5	<b>&lt;1</b>	0	0
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>▲ 55</b>	50	48
Lead	ppm ASTM D5185m >50	<b>24</b>	20	15
Copper	ppm ASTM D5185m >225	<b>36</b>	32	33
Tin	ppm ASTM D5185m >10	<b>8</b>	8	7
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>53</b>	53	48
Barium	ppm ASTM D5185m	<b>0</b>	0	<1
Molybdenum	ppm ASTM D5185m	<b>1</b>	0	0
Manganese	ppm ASTM D5185m	<b>3</b>	3	2
Magnesium	ppm ASTM D5185m	<b>2</b>	1	2
Calcium	ppm ASTM D5185m	<b>119</b>	117	119
Phosphorus	ppm ASTM D5185m	<b>175</b>	190	227
Zinc	ppm ASTM D5185m	<b>2</b>	0	0
Sulfur	ppm ASTM D5185m	<b>1940</b>	1568	1885

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>8</b>	7	7
Sodium	ppm ASTM D5185m	<b>3</b>	7	2
Potassium	ppm ASTM D5185m >20	<b>6</b>	2	5

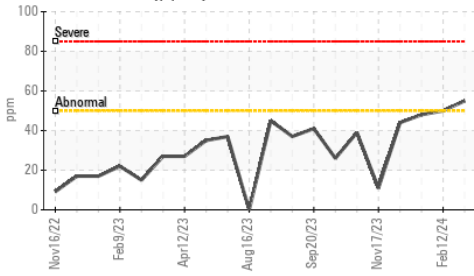
## VISUAL

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

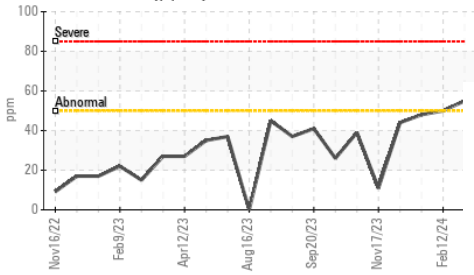


# OIL ANALYSIS REPORT

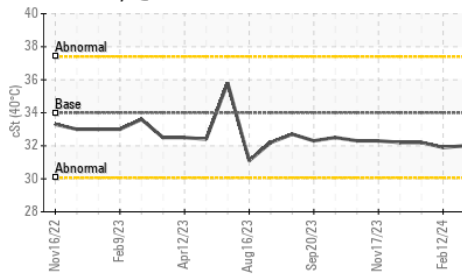
▲ Aluminum (ppm)



▲ Aluminum (ppm)



Viscosity @ 40°C



## FLUID PROPERTIES

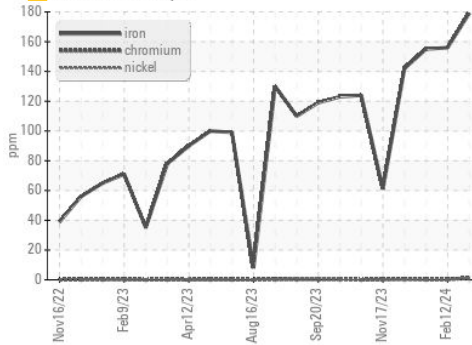
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	<b>32.0</b>	31.9	32.2

## SAMPLE IMAGES

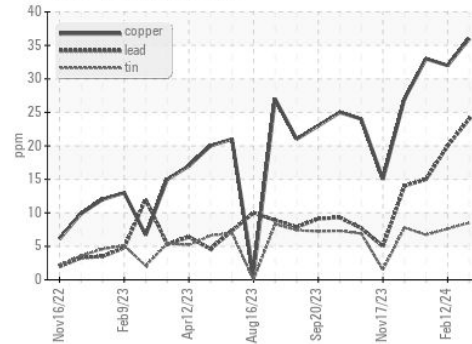
method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

## GRAPHS

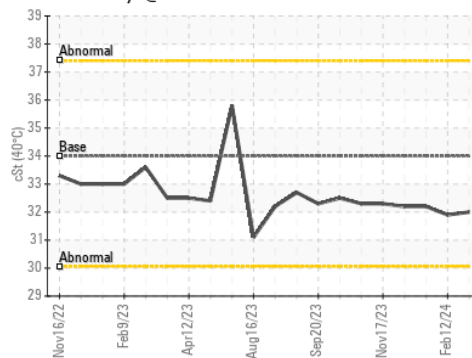
▲ Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0112323  
**Lab Number** : 06092066  
**Unique Number** : 10884919  
**Test Package** : FLEET

**Received** : 16 Feb 2024  
**Tested** : 19 Feb 2024  
**Diagnosed** : 20 Feb 2024 - Don Baldrige

**GFL Environmental - 010 - Stockbridge**  
 1280 Rum Creek Parkway  
 Stockbridge, GA  
 US 30281  
 Contact: JOSHUA TINKER  
 joshuatinker@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)

T:  
F: