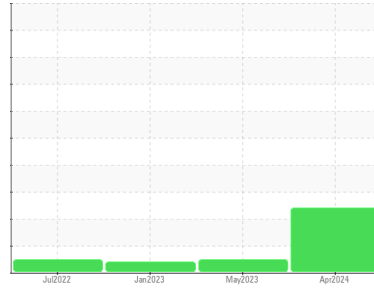




# OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id  
**731118**  
 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

Gear wear is indicated.

### Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

### 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>GFL0117190</b>	GFL0070387	GFL0070256
Sample Date	Client Info	<b>19 Apr 2024</b>	01 May 2023	18 Jan 2023
Machine Age	hrs	<b>6619</b>	4652	3943
Oil Age	hrs	<b>6619</b>	4652	2000
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd
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>▲ 170</b>	77	76
Chromium	ppm ASTM D5185m >5	<b>0</b>	0	<1
Nickel	ppm ASTM D5185m >5	<b>0</b>	0	<1
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>32</b>	14	15
Lead	ppm ASTM D5185m >50	<b>28</b>	6	6
Copper	ppm ASTM D5185m >225	<b>26</b>	19	20
Tin	ppm ASTM D5185m >10	<b>1</b>	2	2
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>80</b>	92	91
Barium	ppm ASTM D5185m	<b>0</b>	0	13
Molybdenum	ppm ASTM D5185m	<b>0</b>	<1	<1
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	2	2
Magnesium	ppm ASTM D5185m	<b>2</b>	3	2
Calcium	ppm ASTM D5185m	<b>114</b>	70	58
Phosphorus	ppm ASTM D5185m	<b>225</b>	240	289
Zinc	ppm ASTM D5185m	<b>15</b>	7	23
Sulfur	ppm ASTM D5185m	<b>1639</b>	953	842

## CONTAMINANTS

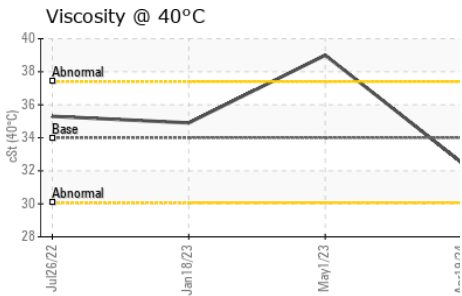
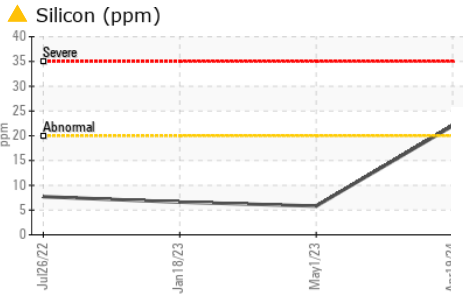
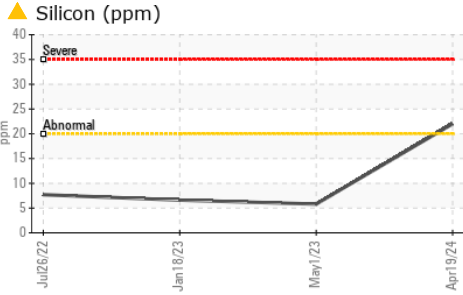
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>▲ 22</b>	6	7
Sodium	ppm ASTM D5185m	<b>9</b>	2	7
Potassium	ppm ASTM D5185m >20	<b>1</b>	4	<1

## 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>LIGHT</b>	NONE	<b>▲ MODER</b>
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



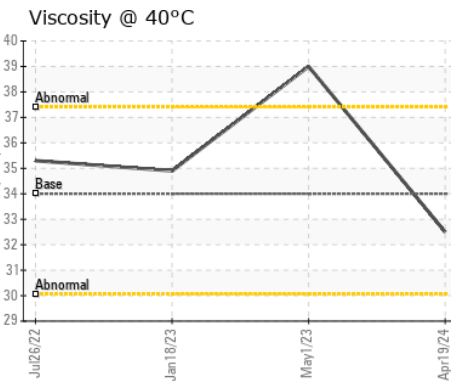
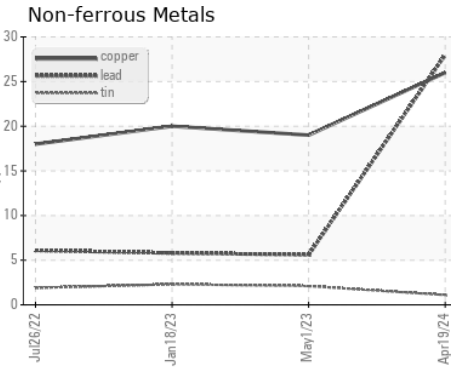
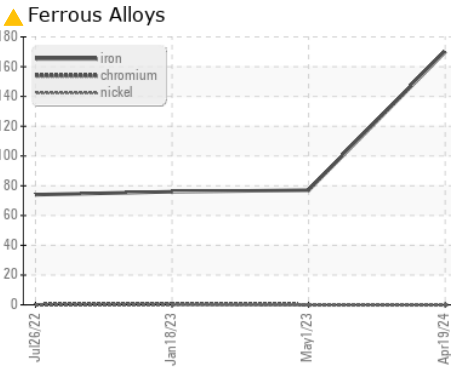
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 34	<b>32.5</b>	39.0	34.9

## SAMPLE IMAGES

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0117190  
**Lab Number** : **06158619**  
**Unique Number** : 10994042  
**Test Package** : FLEET

**Received** : 23 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 25 Apr 2024 - Jonathan Hester

**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)