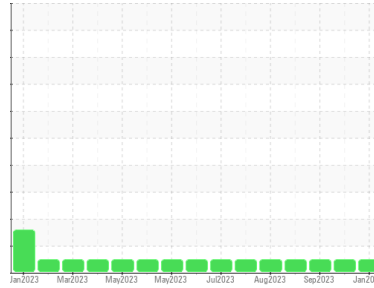




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**728007**

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 condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

| method        | limit/base  | current            | history1    | history2    |
|---------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | <b>GFL0109894</b>  | GFL0101190  | GFL0094369  |
| Sample Date   | Client Info | <b>11 Jan 2024</b> | 17 Nov 2023 | 27 Sep 2023 |
| Machine Age   | hrs         | <b>12494</b>       | 12089       | 11805       |
| Oil Age       | hrs         | <b>845</b>         | 440         | 156         |
| Oil Changed   | Client Info | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   |
| 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>25</b>    | 61       | 54 |
| Chromium | ppm        | ASTM D5185m >5   | <b>&lt;1</b> | <1       | <1 |
| Nickel   | ppm        | ASTM D5185m >5   | <b>0</b>     | 0        | 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>19</b>    | 12       | 35 |
| Lead     | ppm        | ASTM D5185m >50  | <b>&lt;1</b> | 4        | 3  |
| Copper   | ppm        | ASTM D5185m >225 | <b>16</b>    | 13       | 34 |
| Tin      | ppm        | ASTM D5185m >10  | <b>0</b>     | 1        | <1 |
| Vanadium | ppm        | ASTM D5185m      | <b>0</b>     | <1       | 0  |
| Cadmium  | ppm        | ASTM D5185m      | <b>0</b>     | 0        | 0  |

## ADDITIVES

| method     | limit/base | current     | history1     | history2 |      |
|------------|------------|-------------|--------------|----------|------|
| Boron      | ppm        | ASTM D5185m | <b>89</b>    | 48       | 90   |
| Barium     | ppm        | ASTM D5185m | <b>3</b>     | 0        | 2    |
| Molybdenum | ppm        | ASTM D5185m | <b>0</b>     | <1       | <1   |
| Manganese  | ppm        | ASTM D5185m | <b>0</b>     | 2        | <1   |
| Magnesium  | ppm        | ASTM D5185m | <b>&lt;1</b> | 0        | 6    |
| Calcium    | ppm        | ASTM D5185m | <b>118</b>   | 115      | 110  |
| Phosphorus | ppm        | ASTM D5185m | <b>250</b>   | 187      | 230  |
| Zinc       | ppm        | ASTM D5185m | <b>0</b>     | 24       | 16   |
| Sulfur     | ppm        | ASTM D5185m | <b>1729</b>  | 1626     | 1589 |

## CONTAMINANTS

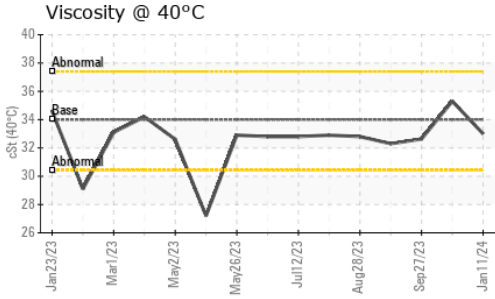
| method    | limit/base | current         | history1 | history2 |   |
|-----------|------------|-----------------|----------|----------|---|
| Silicon   | ppm        | ASTM D5185m >20 | <b>5</b> | 5        | 8 |
| Sodium    | ppm        | ASTM D5185m     | <b>0</b> | 5        | 2 |
| Potassium | ppm        | 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>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   |



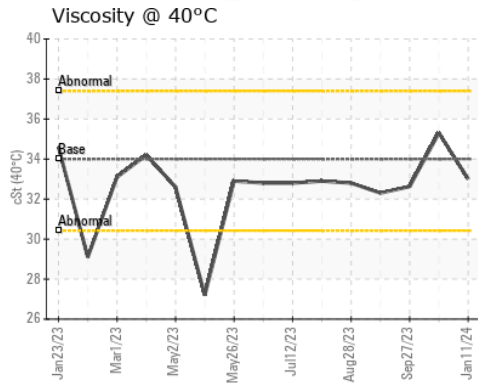
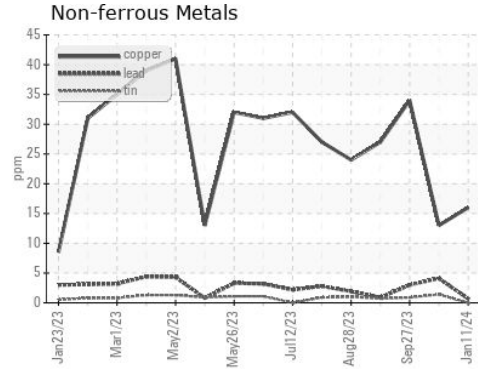
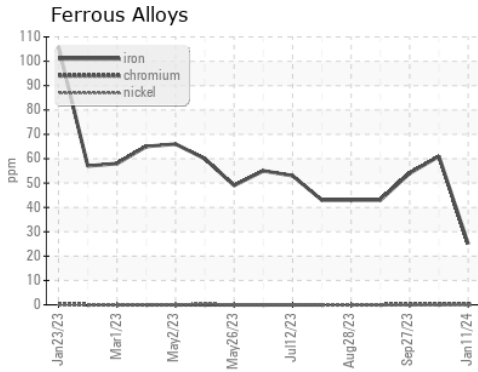
# OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base   | current     | history1 | history2 |
|------------------|--------|--------------|-------------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445 34 | <b>33.0</b> | 35.3     | 32.63    |

| 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.** : GFL0109894  
**Lab Number** : 06064631  
**Unique Number** : 10836013  
**Test Package** : FLEET

**GFL Environmental - 010 - Stockbridge**  
 1280 Rum Creek Parkway  
 Stockbridge, GA  
 US 30281  
 Contact: TECHNICIAN ACCOUNT  
 wcgfldemo@gmail.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: