



|                 |               |
|-----------------|---------------|
| WEAR            | <b>NORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b> |
| FLUID CONDITION | <b>NORMAL</b> |

Machine Id  
**11319**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>GFL0122178</b>  | GFL0115696  | GFL0115749  |
| Sample Date    |     | Client Info |           | <b>28 May 2024</b> | 05 Apr 2024 | 11 Mar 2024 |
| Machine Age    | hrs | Client Info |           | <b>7968</b>        | 7689        | 7551        |
| Oil Age        | hrs | Client Info |           | <b>417</b>         | 138         | 918         |
| Filter Age     | hrs | Client Info |           | <b>417</b>         | 138         | 918         |
| Oil Changed    |     | Client Info |           | <b>Not Changed</b> | Not Changed | Changed     |
| Filter Changed |     | Client Info |           | <b>Not Changed</b> | Not Changed | Changed     |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >160 | <b>47</b>    | 46   | 52   |
| Chromium     | ppm    | ASTM D5185m | >5   | <b>0</b>     | <1   | 0    |
| Nickel       | ppm    | ASTM D5185m | >5   | <b>0</b>     | 0    | 0    |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>     | <1   | 0    |
| Silver       | ppm    | ASTM D5185m | >5   | <b>0</b>     | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >50  | <b>12</b>    | 13   | 13   |
| Lead         | ppm    | ASTM D5185m | >50  | <b>2</b>     | 2    | 1    |
| Copper       | ppm    | ASTM D5185m | >225 | <b>17</b>    | 18   | 18   |
| Tin          | ppm    | ASTM D5185m | >10  | <b>3</b>     | 2    | 1    |
| Vanadium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | <1   | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |

**CONTAMINATION**

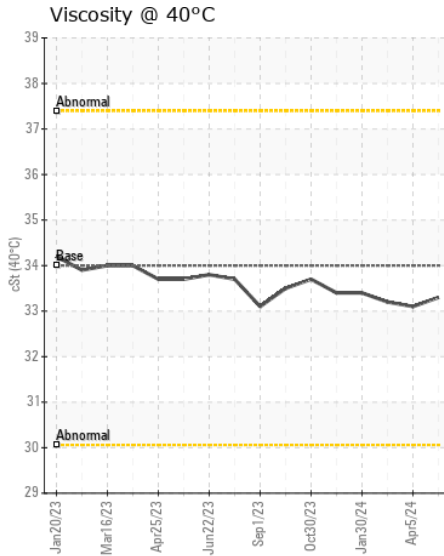
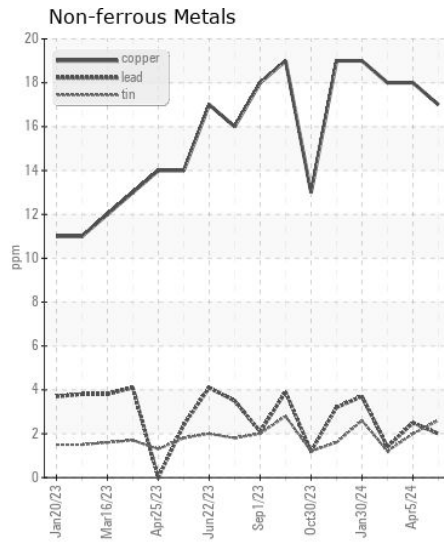
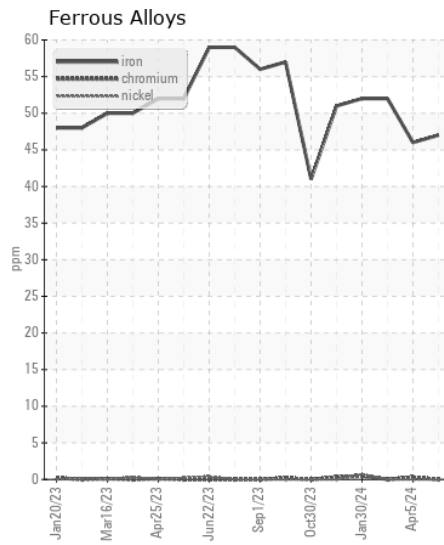
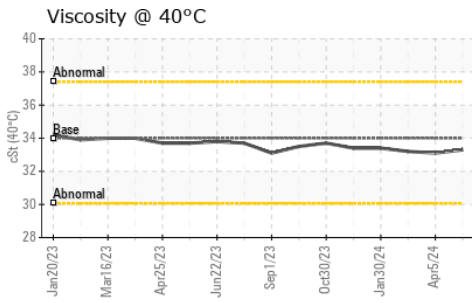
There is no indication of any contamination in the fluid.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >20   | <b>4</b>     | 5     | 4     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>4</b>     | 4     | 2     |
| Water            |        | WC Method   | >0.1  | <b>NEG</b>   | NEG   | NEG   |
| 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   |

**FLUID CONDITION**

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

|             |     |             |    |              |      |      |
|-------------|-----|-------------|----|--------------|------|------|
| Sodium      | ppm | ASTM D5185m |    | <b>7</b>     | 6    | 7    |
| Boron       | ppm | ASTM D5185m |    | <b>62</b>    | 69   | 61   |
| Barium      | ppm | ASTM D5185m |    | <b>0</b>     | 0    | 0    |
| Molybdenum  | ppm | ASTM D5185m |    | <b>&lt;1</b> | <1   | 0    |
| Manganese   | ppm | ASTM D5185m |    | <b>&lt;1</b> | <1   | <1   |
| Magnesium   | ppm | ASTM D5185m |    | <b>&lt;1</b> | 3    | 0    |
| Calcium     | ppm | ASTM D5185m |    | <b>120</b>   | 132  | 108  |
| Phosphorus  | ppm | ASTM D5185m |    | <b>239</b>   | 267  | 227  |
| Zinc        | ppm | ASTM D5185m |    | <b>10</b>    | 9    | 0    |
| Sulfur      | ppm | ASTM D5185m |    | <b>1842</b>  | 1874 | 1690 |
| Visc @ 40°C | cSt | ASTM D445   | 34 | <b>33.3</b>  | 33.1 | 33.2 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0122178  
**Lab Number** : 06195841  
**Unique Number** : 11057964  
**Test Package** : FLEET

**Received** : 30 May 2024  
**Tested** : 31 May 2024  
**Diagnosed** : 31 May 2024 - Wes Davis

**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: