



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



Area  
**{UNASSIGNED}**  
Machine Id  
**933045**  
Component  
**Transmission (Auto)**  
Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (8 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>GFL0107220</b>  | GFL0101178  | GFL0094359  |
| Sample Date    |     | Client Info |           | <b>08 Jan 2024</b> | 13 Nov 2023 | 23 Oct 2023 |
| Machine Age    | hrs | Client Info |           | <b>1749</b>        | 1315        | 1149        |
| Oil Age        | hrs | Client Info |           | <b>1749</b>        | 1315        | 1149        |
| Filter Age     | hrs | Client Info |           | <b>1749</b>        | 1315        | 1149        |
| Oil Changed    |     | Client Info |           | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   |
| Filter Changed |     | Client Info |           | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >220 | <b>69</b>    | 63   | 51   |
| Chromium     | ppm    | ASTM D5185m | >2   | <b>&lt;1</b> | 0    | 0    |
| Nickel       | ppm    | ASTM D5185m | >5   | <b>&lt;1</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 | >75  | <b>18</b>    | 32   | 11   |
| Lead         | ppm    | ASTM D5185m | >95  | <b>7</b>     | 1    | 2    |
| Copper       | ppm    | ASTM D5185m | >60  | <b>16</b>    | 14   | 12   |
| Tin          | ppm    | ASTM D5185m | >10  | <b>3</b>     | 1    | 1    |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</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.

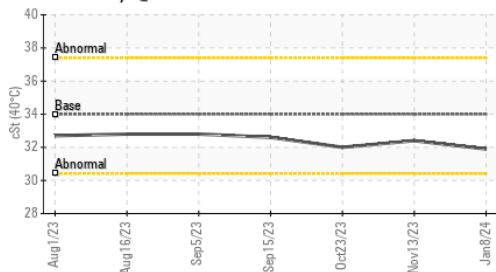
|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >25   | <b>6</b>     | 11    | 4     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>2</b>     | <1    | 1     |
| Water            |        | WC Method   | >0.1  | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>LIGHT</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**

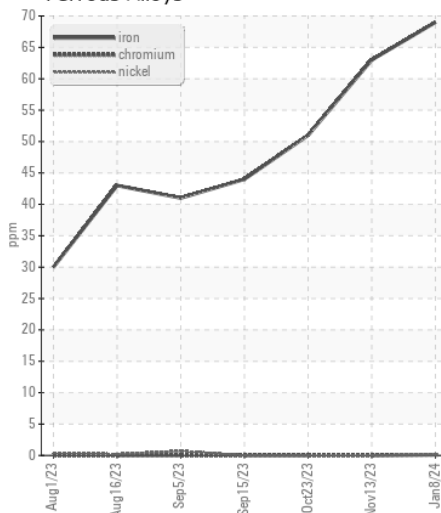
The condition of the fluid is acceptable for the time in service.

|             |     |             |    |             |      |      |
|-------------|-----|-------------|----|-------------|------|------|
| Sodium      | ppm | ASTM D5185m |    | <b>7</b>    | 3    | 5    |
| Boron       | ppm | ASTM D5185m |    | <b>41</b>   | 65   | 44   |
| Barium      | ppm | ASTM D5185m |    | <b>0</b>    | 0    | 0    |
| Molybdenum  | ppm | ASTM D5185m |    | <b>0</b>    | <1   | 0    |
| Manganese   | ppm | ASTM D5185m |    | <b>2</b>    | <1   | 1    |
| Magnesium   | ppm | ASTM D5185m |    | <b>0</b>    | 0    | <1   |
| Calcium     | ppm | ASTM D5185m |    | <b>126</b>  | 116  | 119  |
| Phosphorus  | ppm | ASTM D5185m |    | <b>207</b>  | 195  | 204  |
| Zinc        | ppm | ASTM D5185m |    | <b>29</b>   | 0    | 32   |
| Sulfur      | ppm | ASTM D5185m |    | <b>1874</b> | 1656 | 1592 |
| Visc @ 40°C | cSt | ASTM D445   | 34 | <b>31.9</b> | 32.4 | 32.0 |

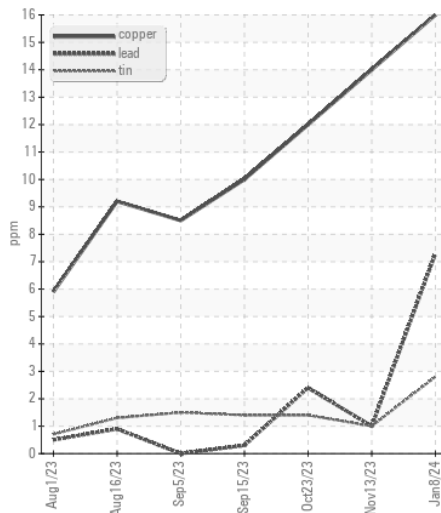
Viscosity @ 40°C



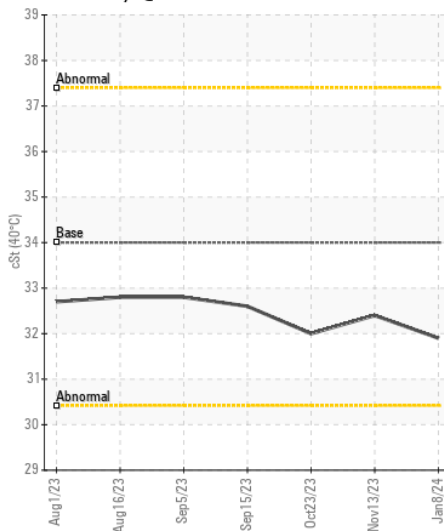
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0107220 **Received** : 11 Jan 2024  
**Lab Number** : 06058477 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829859 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**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: