



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

Machine Id  
**812044**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>GFL0107190</b>  | GFL0101206  | GFL0101276  |
| Sample Date    |     | Client Info |           | <b>10 Jan 2024</b> | 22 Dec 2023 | 04 Dec 2023 |
| Machine Age    | hrs | Client Info |           | <b>6757</b>        | 6608        | 6480        |
| Oil Age        | hrs | Client Info |           | <b>861</b>         | 2508        | 2380        |
| Filter Age     | hrs | Client Info |           | <b>861</b>         | 2508        | 2380        |
| Oil Changed    |     | Client Info |           | <b>Not Changed</b> | Not Changed | Not Changed |
| Filter Changed |     | Client Info |           | <b>Not Changed</b> | Not Changed | Not Changed |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >160 | <b>89</b>    | 80   | 80   |
| Chromium     | ppm    | ASTM D5185m | >5   | <b>&lt;1</b> | <1   | <1   |
| Nickel       | ppm    | ASTM D5185m | >5   | <b>0</b>     | <1   | <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>27</b>    | 26   | 26   |
| Lead         | ppm    | ASTM D5185m | >50  | <b>51</b>    | 49   | 50   |
| Copper       | ppm    | ASTM D5185m | >225 | <b>72</b>    | 67   | 66   |
| Tin          | ppm    | ASTM D5185m | >10  | <b>6</b>     | 6    | 6    |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | NONE |

**CONTAMINATION**

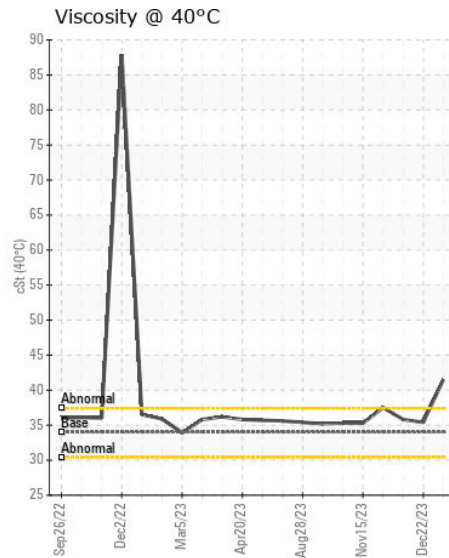
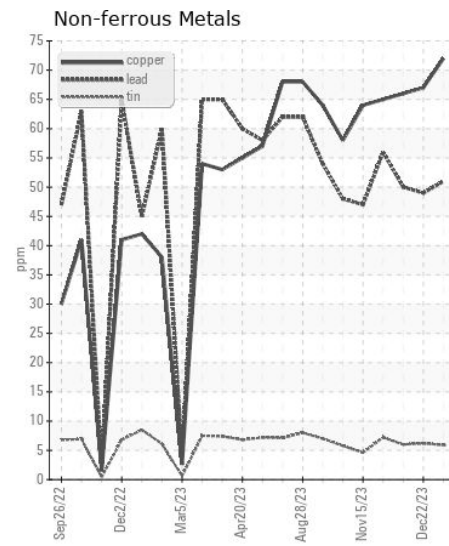
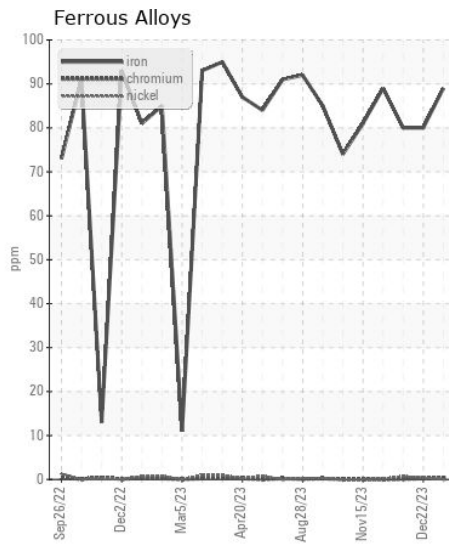
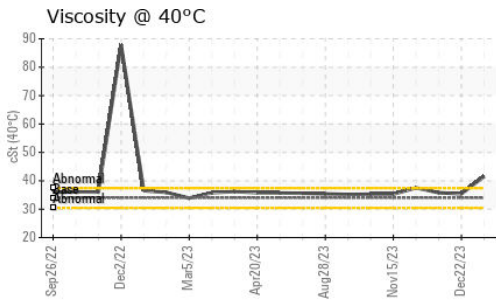
There is no indication of any contamination in the oil.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >20   | <b>5</b>     | 4     | 5     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>5</b>     | 5     | 5     |
| 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 oil is acceptable for the time in service.

|             |     |             |    |              |      |      |
|-------------|-----|-------------|----|--------------|------|------|
| Sodium      | ppm | ASTM D5185m |    | <b>2</b>     | 4    | 6    |
| Boron       | ppm | ASTM D5185m |    | <b>90</b>    | 82   | 75   |
| Barium      | ppm | ASTM D5185m |    | <b>3</b>     | 0    | 0    |
| Molybdenum  | ppm | ASTM D5185m |    | <b>&lt;1</b> | 1    | 1    |
| Manganese   | ppm | ASTM D5185m |    | <b>&lt;1</b> | <1   | <1   |
| Magnesium   | ppm | ASTM D5185m |    | <b>0</b>     | 1    | <1   |
| Calcium     | ppm | ASTM D5185m |    | <b>72</b>    | 72   | 72   |
| Phosphorus  | ppm | ASTM D5185m |    | <b>279</b>   | 250  | 250  |
| Zinc        | ppm | ASTM D5185m |    | <b>0</b>     | 0    | 0    |
| Sulfur      | ppm | ASTM D5185m |    | <b>1202</b>  | 1072 | 1048 |
| Visc @ 40°C | cSt | ASTM D445   | 34 | <b>41.5</b>  | 35.4 | 35.8 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0107190 **Received** : 18 Jan 2024  
**Lab Number** : 06064634 **Diagnosed** : 21 Jan 2024  
**Unique Number** : 10836016 **Diagnostician** : Don Baldrige  
**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)