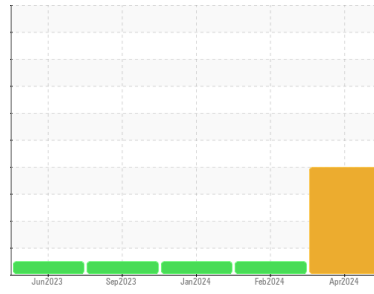




# PROBLEM SUMMARY

Area  
**(WEP895)**  
 Machine Id  
**11282**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (4 GAL)**

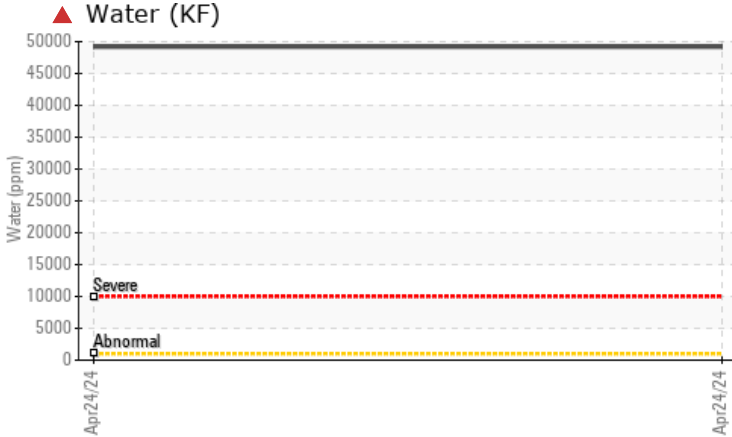
Sample Rating Trend



**WATER**



## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

| Sample Status    |        |            |       | SEVERE  | NORMAL | NORMAL |
|------------------|--------|------------|-------|---------|--------|--------|
| Water            | %      | ASTM D6304 | >0.1  | ▲ 4.92  | ---    | ---    |
| ppm Water        | ppm    | ASTM D6304 | >1000 | ▲ 49200 | ---    | ---    |
| Emulsified Water | scalar | *Visual    | >0.1  | ▲ 0.2%  | NEG    | NEG    |

Customer Id: GFL010  
 Sample No.: GFL0118070  
 Lab Number: 06161065  
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

| Action             | Status | Date | Done By | Description   |
|--------------------|--------|------|---------|---|
| Change Fluid       | ---    | ---  | ?       | Oil and filter change at the time of sampling has been noted. |
| Change Filter      | ---    | ---  | ?       | Oil and filter change at the time of sampling has been noted. |
| Resample           | ---    | ---  | ?       | We recommend an early resample to monitor this condition.     |
| Check Water Access | ---    | ---  | ?       | We advise that you check for the source of water entry.       |

## HISTORICAL DIAGNOSIS

NORMAL



### 29 Feb 2024 Diag: Wes Davis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report



NORMAL



### 16 Jan 2024 Diag: Wes Davis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

view report



NORMAL



### 01 Sep 2023 Diag: Sean Felton

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

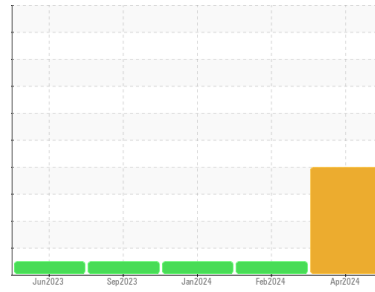
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area  
**(WEP895)**  
Machine Id  
**11282**  
Component  
**Transmission (Auto)**  
Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (4 GAL)**

## DIAGNOSIS

### Recommendation

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

There is a high concentration of water present in the fluid.

### Fluid Condition

The fluid is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

|               | method      | limit/base  | current            | history1    | history2    |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info |             | <b>GFL0118070</b>  | GFL0112366  | GFL0109880  |
| Sample Date   | Client Info |             | <b>24 Apr 2024</b> | 29 Feb 2024 | 16 Jan 2024 |
| Machine Age   | hrs         | Client Info | <b>11514</b>       | 11290       | 11134       |
| Oil Age       | hrs         | Client Info | <b>224</b>         | 337         | 181         |
| Oil Changed   | Client Info |             | <b>Changed</b>     | Changed     | Not Changed |
| Sample Status |             |             | <b>SEVERE</b>      | NORMAL      | NORMAL      |

## WEAR METALS

|          | method | limit/base       | current      | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron     | ppm    | ASTM D5185m >160 | <b>131</b>   | 86       | 72       |
| Chromium | ppm    | ASTM D5185m >5   | <b>&lt;1</b> | <1       | <1       |
| Nickel   | ppm    | ASTM D5185m >5   | <b>0</b>     | <1       | 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>30</b>    | 28       | 16       |
| Lead     | ppm    | ASTM D5185m >50  | <b>1</b>     | 0        | 0        |
| Copper   | ppm    | ASTM D5185m >225 | <b>15</b>    | 25       | 24       |
| Tin      | ppm    | ASTM D5185m >10  | <b>4</b>     | <1       | <1       |
| 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>106</b>   | 50       | 69       |
| Barium     | ppm    | ASTM D5185m | <b>&lt;1</b> | 0        | <1       |
| Molybdenum | ppm    | ASTM D5185m | <b>&lt;1</b> | 0        | 0        |
| Manganese  | ppm    | ASTM D5185m | <b>2</b>     | 1        | 0        |
| Magnesium  | ppm    | ASTM D5185m | <b>1</b>     | 2        | 2        |
| Calcium    | ppm    | ASTM D5185m | <b>125</b>   | 94       | 102      |
| Phosphorus | ppm    | ASTM D5185m | <b>253</b>   | 195      | 240      |
| Zinc       | ppm    | ASTM D5185m | <b>24</b>    | 11       | 0        |
| Sulfur     | ppm    | ASTM D5185m | <b>1769</b>  | 1027     | 1263     |

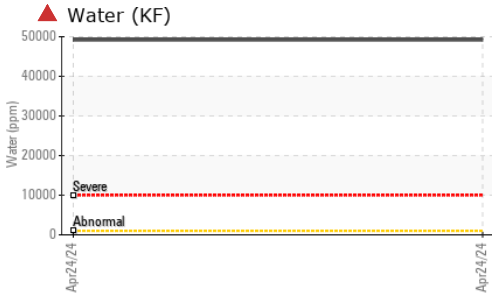
## CONTAMINANTS

|           | method | limit/base       | current        | history1 | history2 |
|-----------|--------|------------------|----------------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >20  | <b>15</b>      | 8        | 6        |
| Sodium    | ppm    | ASTM D5185m      | <b>8</b>       | 4        | 0        |
| Potassium | ppm    | ASTM D5185m >20  | <b>12</b>      | 3        | 2        |
| Water     | %      | ASTM D6304 >0.1  | <b>▲ 4.92</b>  | ---      | ---      |
| ppm Water | ppm    | ASTM D6304 >1000 | <b>▲ 49200</b> | ---      | ---      |

## 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>● HAZY</b> | NORML    | NORML    |
| Odor             | scalar | *Visual NORML | <b>NORML</b>  | NORML    | NORML    |
| Emulsified Water | scalar | *Visual >0.1  | <b>▲ 0.2%</b> | NEG      | NEG      |
| Free Water       | scalar | *Visual       | <b>NEG</b>    | NEG      | NEG      |

# OIL ANALYSIS REPORT

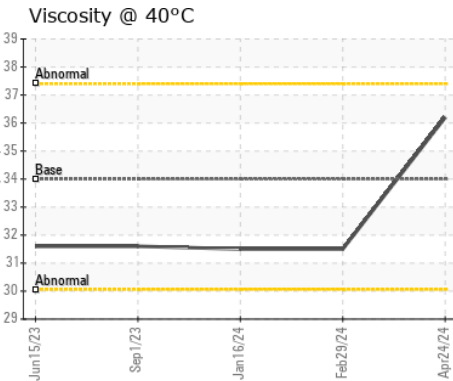
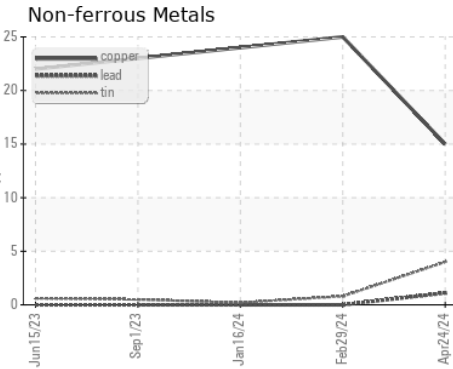
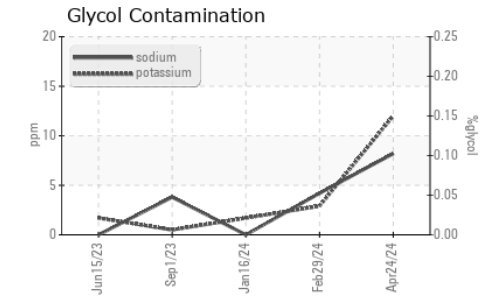
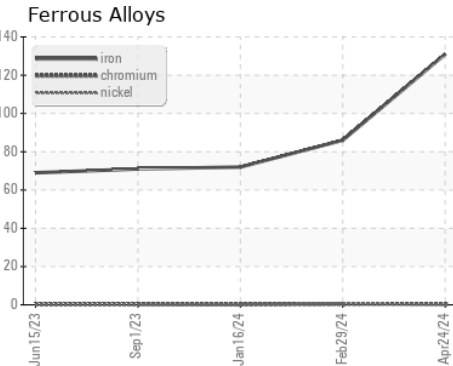
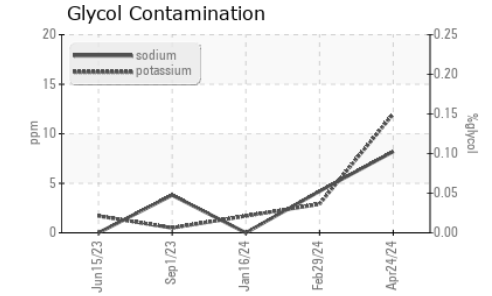


| FLUID PROPERTIES | method | limit/base   | current | history1 | history2 |
|------------------|--------|--------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445 34 | 36.2    | 31.5     | 31.5     |

| 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.** : GFL0118070      **Received** : 25 Apr 2024  
**Lab Number** : 06161065      **Tested** : 29 Apr 2024  
**Unique Number** : 10996488      **Diagnosed** : 29 Apr 2024 - Don Baldrige  
**Test Package** : FLEET ( Additional Tests: Glycol, KF )

**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)