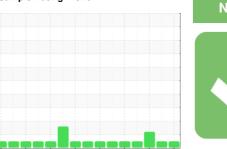


# **OIL ANALYSIS REPORT**

## Sample Rating Trend



NORMAL



Machine Id **10949** 

Component

**Transmission (Auto)** 

PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

# DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

# **Fluid Condition**

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

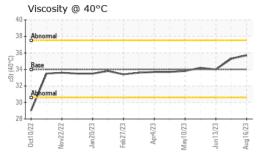
| 68 ( GAL)        |         | Oct2022 No  | v2022 Jan2023 Feb202 | 3 Apr2023 May2023 Jun20 | 023 Aug202: |             |
|------------------|---------|-------------|----------------------|-------------------------|-------------|-------------|
| SAMPLE INFOR     | RMATION | method      | limit/base           | current                 | history1    | history2    |
| Sample Number    |         | Client Info |                      | GFL0088701              | GFL0086106  | GFL0083256  |
| Sample Date      |         | Client Info |                      | 16 Aug 2023             | 26 Jul 2023 | 13 Jun 2023 |
| Machine Age      | hrs     | Client Info |                      | 12830                   | 12664       | 12337       |
| Oil Age          | hrs     | Client Info |                      | 166                     | 2301        | 1974        |
| Oil Changed      |         | Client Info |                      | Not Changd              | Changed     | Not Changd  |
| Sample Status    |         |             |                      | NORMAL                  | NORMAL      | ABNORMAL    |
| WEAR METAI       | LS      | method      | limit/base           | current                 | history1    | history2    |
| Iron             | ppm     | ASTM D5185m | >160                 | 45                      | 46          | 35          |
| Chromium         | ppm     | ASTM D5185m | >5                   | 0                       | 0           | 0           |
| Nickel           | ppm     | ASTM D5185m | >5                   | 0                       | 0           | 0           |
| Titanium         | ppm     | ASTM D5185m |                      | 0                       | 0           | <1          |
| Silver           | ppm     | ASTM D5185m | >5                   | 0                       | 0           | 0           |
| Aluminum         | ppm     | ASTM D5185m | >50                  | 19                      | 19          | 13          |
| _ead             | ppm     | ASTM D5185m | >50                  | 1                       | <1          | 2           |
| Copper           | ppm     | ASTM D5185m | >225                 | 11                      | 10          | 10          |
| Tin              | ppm     | ASTM D5185m | >10                  | 2                       | 1           | 1           |
| Vanadium         | ppm     | ASTM D5185m |                      | 0                       | <1          | <1          |
| Cadmium          | ppm     | ASTM D5185m |                      | 0                       | 0           | 0           |
| ADDITIVES        |         | method      | limit/base           | current                 | history1    | history2    |
| Boron            | ppm     | ASTM D5185m |                      | 46                      | 57          | 56          |
| Barium           | ppm     | ASTM D5185m |                      | 2                       | 0           | 0           |
| Molybdenum       | ppm     | ASTM D5185m |                      | <1                      | <1          | <1          |
| Manganese        | ppm     | ASTM D5185m |                      | <1                      | <1          | <1          |
| Magnesium        | ppm     | ASTM D5185m |                      | 4                       | 0           | 2           |
| Calcium          | ppm     | ASTM D5185m |                      | 114                     | 111         | 117         |
| Phosphorus       | ppm     | ASTM D5185m |                      | 251                     | 252         | 321         |
| Zinc             | ppm     | ASTM D5185m |                      | 142                     | 120         | 87          |
| Sulfur           | ppm     | ASTM D5185m |                      | 1538                    | 1675        | 1657        |
| CONTAMINA        | NTS     | method      | limit/base           | current                 | history1    | history2    |
| Silicon          | ppm     | ASTM D5185m | >20                  | 6                       | 6           | 5           |
| Sodium           | ppm     | ASTM D5185m |                      | 0                       | 4           | 3           |
| Potassium        | ppm     | ASTM D5185m | >20                  | 2                       | <1          | 0           |
| VISUAL           |         | method      | limit/base           | current                 | history1    | history2    |
| White Metal      | scalar  | *Visual     | NONE                 | NONE                    | NONE        | ▲ MODER     |
| Yellow Metal     | scalar  | *Visual     | NONE                 | NONE                    | NONE        | NONE        |
| Precipitate      | scalar  | *Visual     | NONE                 | NONE                    | NONE        | NONE        |
| Silt             | scalar  | *Visual     | NONE                 | NONE                    | NONE        | NONE        |
| Debris           | scalar  | *Visual     | NONE                 | LIGHT                   | NONE        | NONE        |
| Sand/Dirt        | scalar  | *Visual     | NONE                 | NONE                    | NONE        | NONE        |
| Appearance       | scalar  | *Visual     | NORML                | NORML                   | NORML       | NORML       |
| Odor             | scalar  | *Visual     | NORML                | NORML                   | NORML       | NORML       |
| Emulsified Water | scalar  | *Visual     | >0.1                 | NEG                     | NEG         | NEG         |
| Free Water       | scalar  | *Visual     |                      | NEG                     | NEG         | NEG         |
| FLUID PROPE      | ERTIES  | method      | limit/base           | current                 | history1    | history2    |
| VI 0 4000        | - 0:    | A OTA D 445 | 0.4                  | 05.7                    | 05.0        | 04.0        |

Visc @ 40°C

34.0

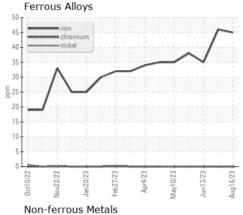


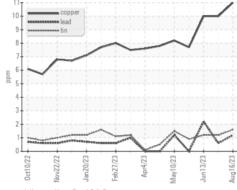
# **OIL ANALYSIS REPORT**

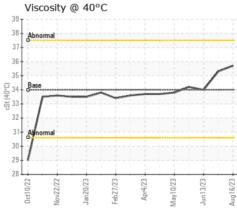


| SAMPLE IMAGES | method | limit/base | current  | history1 | history2 |
|---------------|--------|------------|----------|----------|----------|
| Color         |        |            | no image | no image | no image |
| Bottom        |        |            | no image | no image | no image |

# **GRAPHS**











Laboratory Sample No. Lab Number Unique Number : 10607593 Test Package : FLEET

: GFL0088701 : 05927646

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed Diagnostician : Sean Felton

: 17 Aug 2023 : 18 Aug 2023 GFL Environmental - 010 - Stockbridge 1280 Rum Creek Parkway

Stockbridge, GA US 30281

Contact: JOSHUA TINKER joshuatinker@gflenv.com

T: F:

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)