



| | |
|-----------------|-----------------|
| WEAR | ABNORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
812043
 Component
Transmission (Auto)
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | GFL0107231 | GFL0091427 | GFL0088772 |
| Sample Date | | Client Info | | 08 Jan 2024 | 23 Oct 2023 | 18 Aug 2023 |
| Machine Age | hrs | Client Info | | 5570 | 5154 | 4908 |
| Oil Age | hrs | Client Info | | 662 | 246 | 129 |
| Filter Age | hrs | Client Info | | 662 | 246 | 129 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Changed |
| Filter Changed | | Client Info | | Not Changed | Not Changed | Changed |
| Sample Status | | | | ABNORMAL | ABNORMAL | NORMAL |

WEAR

Bearing, clutch or torque converter wear is indicated.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >160 | 99 | 96 | 34 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >50 | ▲ 85 | ▲ 78 | 12 |
| Lead | ppm | ASTM D5185m | >50 | ▲ 62 | ▲ 62 | 1 |
| Copper | ppm | ASTM D5185m | >225 | 57 | 54 | 9 |
| Tin | ppm | ASTM D5185m | >10 | ▲ 10 | ▲ 10 | 1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

There is no indication of any contamination in the fluid.

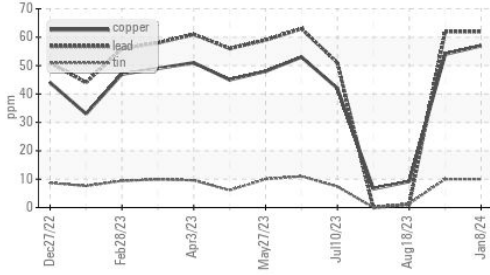
| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >20 | 9 | 8 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 4 | <1 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | 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 |

FLUID CONDITION

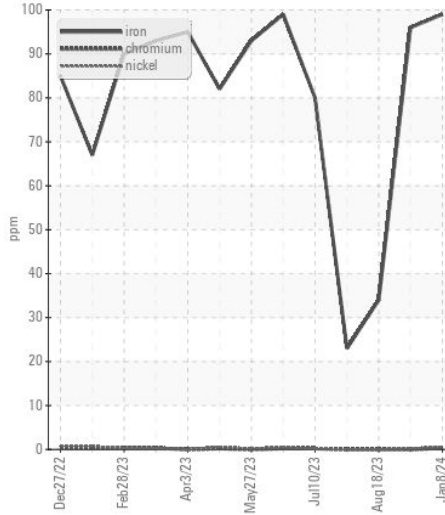
The condition of the fluid is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|----|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 6 | 6 | 4 |
| Boron | ppm | ASTM D5185m | | 82 | 88 | 60 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Manganese | ppm | ASTM D5185m | | 2 | 2 | <1 |
| Magnesium | ppm | ASTM D5185m | | <1 | 0 | 1 |
| Calcium | ppm | ASTM D5185m | | 46 | 48 | 118 |
| Phosphorus | ppm | ASTM D5185m | | 262 | 270 | 206 |
| Zinc | ppm | ASTM D5185m | | 0 | 7 | 2 |
| Sulfur | ppm | ASTM D5185m | | 902 | 869 | 1872 |
| Visc @ 40°C | cSt | ASTM D445 | 34 | 36.2 | 36.2 | 32.7 |

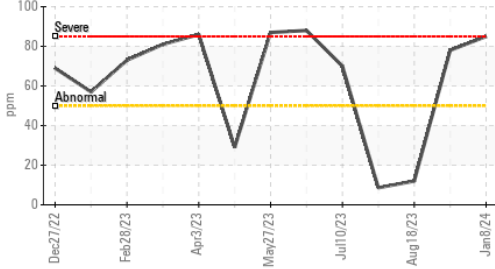
▲ Non-ferrous Metals



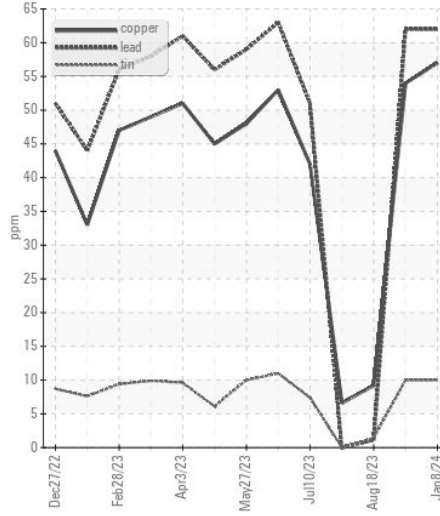
Ferrous Alloys



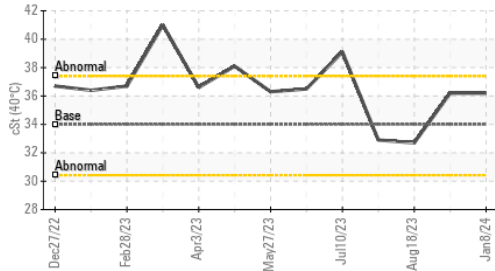
▲ Aluminum (ppm)



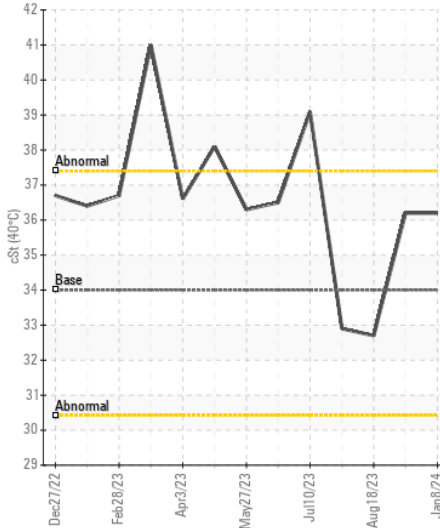
▲ Non-ferrous Metals



Viscosity @ 40°C



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0107231 **Received** : 11 Jan 2024
Lab Number : 06058478 **Diagnosed** : 14 Jan 2024
Unique Number : 10829860 **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)

T:
F: