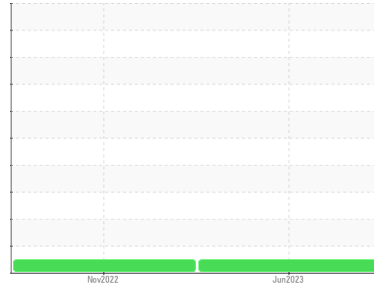




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
429048-402450

Component
Transmission (Auto)
Fluid

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORMATION

| method | limit/base | current | history 1 | history 2 |
|---------------|-------------|--------------------|-------------|-----------|
| Sample Number | Client Info | GFL0083788 | GFL0055672 | --- |
| Sample Date | Client Info | 21 Jun 2023 | 29 Nov 2022 | --- |
| Machine Age | hrs | 14985 | 12626 | --- |
| Oil Age | hrs | 14985 | 1200 | --- |
| Oil Changed | Client Info | Not Chngd | Not Chngd | --- |
| Sample Status | | NORMAL | NORMAL | --- |

WEAR METALS

| method | limit/base | current | history 1 | history 2 | |
|----------|------------|------------------|--------------|-----------|-----|
| Iron | ppm | ASTM D5185m >160 | 71 | 65 | --- |
| Chromium | ppm | ASTM D5185m >5 | <1 | 0 | --- |
| Nickel | ppm | ASTM D5185m >5 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | <1 | 0 | --- |
| Silver | ppm | ASTM D5185m >5 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m >50 | 25 | 23 | --- |
| Lead | ppm | ASTM D5185m >50 | 12 | 10 | --- |
| Copper | ppm | ASTM D5185m >225 | 63 | 47 | --- |
| Tin | ppm | ASTM D5185m >10 | 4 | 3 | --- |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | <1 | 0 | --- |

ADDITIVES

| method | limit/base | current | history 1 | history 2 | |
|------------|------------|-------------|--------------|-----------|-----|
| Boron | ppm | ASTM D5185m | 67 | 79 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | <1 | <1 | --- |
| Manganese | ppm | ASTM D5185m | 1 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 5 | 0 | --- |
| Calcium | ppm | ASTM D5185m | 135 | 116 | --- |
| Phosphorus | ppm | ASTM D5185m | 221 | 228 | --- |
| Zinc | ppm | ASTM D5185m | 16 | 10 | --- |
| Sulfur | ppm | ASTM D5185m | 1503 | 1518 | --- |

CONTAMINANTS

| method | limit/base | current | history 1 | history 2 | |
|-----------|------------|-----------------|-----------|-----------|-----|
| Silicon | ppm | ASTM D5185m >20 | 6 | 6 | --- |
| Sodium | ppm | ASTM D5185m | 5 | 2 | --- |
| Potassium | ppm | ASTM D5185m >20 | 4 | 0 | --- |

VISUAL

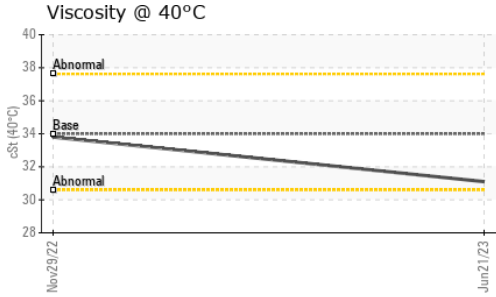
| method | limit/base | current | history 1 | history 2 | |
|------------------|------------|---------------|--------------|-----------|-----|
| White Metal | scalar | *Visual NONE | NONE | LIGHT | --- |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | --- |
| Precipitate | scalar | *Visual NONE | NONE | NONE | --- |
| Silt | scalar | *Visual NONE | NONE | NONE | --- |
| Debris | scalar | *Visual NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual NORML | NORML | NORML | --- |
| Odor | scalar | *Visual NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual >0.1 | NEG | NEG | --- |
| Free Water | scalar | *Visual | NEG | NEG | --- |

FLUID PROPERTIES

| method | limit/base | current | history 1 | history 2 | |
|-------------|------------|--------------|-------------|-----------|-----|
| Visc @ 40°C | cSt | ASTM D445 34 | 31.1 | 33.8 | --- |

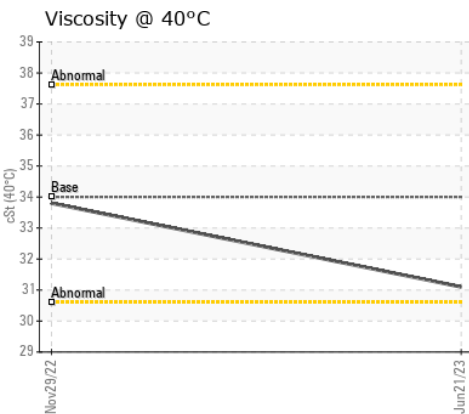
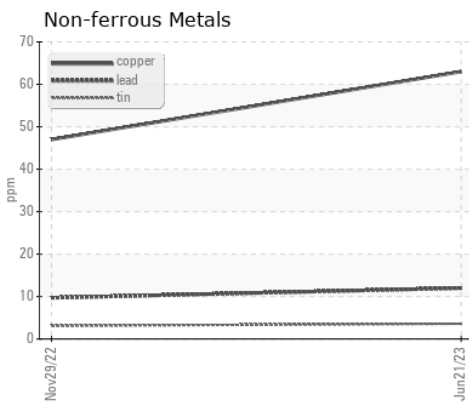
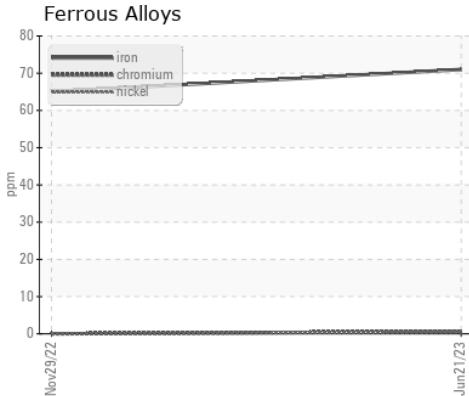


OIL ANALYSIS REPORT



| SAMPLE IMAGES | method | limit/base | current | history 1 | history 2 |
|---------------|--------|------------|----------|-----------|-----------|
| Color | | | no image | no image | no image |
| Bottom | | | no image | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0083788 **Received** : 27 Jun 2023
Lab Number : **05884763** **Diagnosed** : 30 Jun 2023
Unique Number : 10535246 **Diagnostician** : Jonathan Hester
Test Package : FLEET

GFL Environmental - 836 - Kansas City Hauling
 7801 East Truman Road
 Kansas City, MO
 US 64126
 Contact: Robert Hart
 rhart@gflenv.com
 T: (580)461-1509
 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)