



OIL ANALYSIS REPORT

Sample Rating Trend

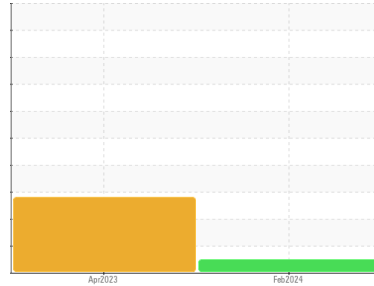
NORMAL



Machine Id
741003-310092

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 | history1 | history2 |
|---------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info | GFL0106853 | GFL0078103 | --- |
| Sample Date | Client Info | 14 Feb 2024 | 20 Apr 2023 | --- |
| Machine Age | hrs | 1896 | 133185 | --- |
| Oil Age | hrs | 600 | 0 | --- |
| Oil Changed | Client Info | Changed | Changed | --- |
| Sample Status | | NORMAL | ABNORMAL | --- |

CONTAMINATION

| method | limit/base | current | history1 | history2 |
|--------|----------------|------------|----------|----------|
| Water | WC Method >0.1 | NEG | NEG | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|----------|----------------------|--------------|----------|----------|
| Iron | ppm ASTM D5185m >160 | 119 | ▲ 234 | --- |
| Chromium | ppm ASTM D5185m >5 | <1 | 0 | --- |
| Nickel | ppm ASTM D5185m >5 | 0 | 0 | --- |
| Titanium | ppm ASTM D5185m | <1 | 0 | --- |
| Silver | ppm ASTM D5185m >5 | 0 | 0 | --- |
| Aluminum | ppm ASTM D5185m >50 | 36 | ▲ 60 | --- |
| Lead | ppm ASTM D5185m >50 | 6 | 9 | --- |
| Copper | ppm ASTM D5185m >225 | 13 | 16 | --- |
| Tin | ppm ASTM D5185m >10 | <1 | <1 | --- |
| Vanadium | ppm ASTM D5185m | 0 | 0 | --- |
| Cadmium | ppm ASTM D5185m | 0 | 0 | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-----------------|-------------|----------|----------|
| Boron | ppm ASTM D5185m | 83 | 79 | --- |
| Barium | ppm ASTM D5185m | 10 | 0 | --- |
| Molybdenum | ppm ASTM D5185m | 1 | 1 | --- |
| Manganese | ppm ASTM D5185m | 1 | 3 | --- |
| Magnesium | ppm ASTM D5185m | 5 | 6 | --- |
| Calcium | ppm ASTM D5185m | 128 | 37 | --- |
| Phosphorus | ppm ASTM D5185m | 353 | 249 | --- |
| Zinc | ppm ASTM D5185m | 0 | 0 | --- |
| Sulfur | ppm ASTM D5185m | 1949 | 373 | --- |

CONTAMINANTS

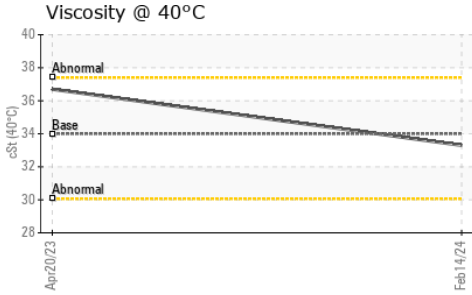
| method | limit/base | current | history1 | history2 |
|-----------|---------------------|----------|----------|----------|
| Silicon | ppm ASTM D5185m >20 | 7 | 9 | --- |
| Sodium | ppm ASTM D5185m | 8 | 8 | --- |
| Potassium | ppm ASTM D5185m >20 | 4 | 2 | --- |

VISUAL

| method | limit/base | current | history1 | history2 |
|------------------|----------------------|--------------|----------|----------|
| White Metal | scalar *Visual NONE | NONE | NONE | --- |
| Yellow Metal | scalar *Visual NONE | NONE | NONE | --- |
| Precipitate | scalar *Visual NONE | NONE | NONE | --- |
| Silt | scalar *Visual NONE | NONE | ▲ MODER | --- |
| Debris | scalar *Visual NONE | NONE | ▲ MODER | --- |
| 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 | --- |



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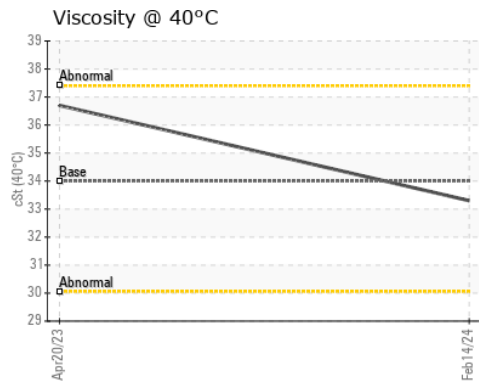
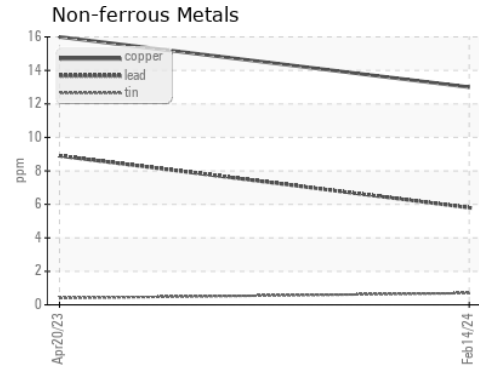
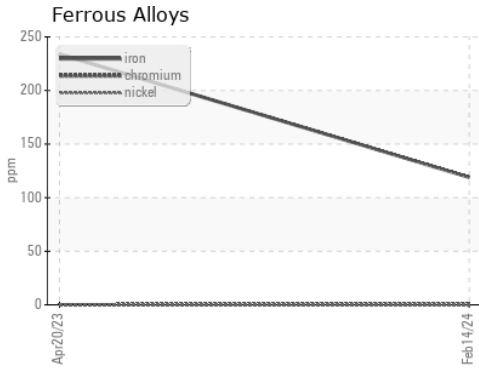
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 |
|-------------|------------------|-------------|----------|----------|
| Visc @ 40°C | cSt ASTM D445 34 | 33.3 | 36.7 | --- |

SAMPLE IMAGES

| method | limit/base | current | history1 | history2 |
|--------|------------|----------|----------|----------|
| 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. : GFL0106853
Lab Number : 06093832
Unique Number : 10886685
Test Package : FLEET

Received : 19 Feb 2024
Tested : 20 Feb 2024
Diagnosed : 20 Feb 2024 - Wes Davis

GFL Environmental - 856 - Houston South
 8515 Highway 6 South
 Houston, TX
 US 77083
 Contact: Apolinar Zacarias
 pzacariascano@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: