



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
913147
 Component
Transmission (Auto)
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 Please specify the brand, type, and viscosity of the oil on your next sample.

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 | GFL0098646 | --- | --- |
| Sample Date | Client Info | 30 Oct 2023 | --- | --- |
| Machine Age | hrs Client Info | 2270 | --- | --- |
| Oil Age | hrs Client Info | 0 | --- | --- |
| Oil Changed | Client Info | Changed | --- | --- |
| Sample Status | | NORMAL | --- | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|--------------|------------------|-----------|----------|----------|
| Iron ppm | ASTM D5185m >220 | 60 | --- | --- |
| Chromium ppm | ASTM D5185m >2 | 0 | --- | --- |
| Nickel ppm | ASTM D5185m >5 | 0 | --- | --- |
| Titanium ppm | ASTM D5185m | 0 | --- | --- |
| Silver ppm | ASTM D5185m >5 | 0 | --- | --- |
| Aluminum ppm | ASTM D5185m >75 | 21 | --- | --- |
| Lead ppm | ASTM D5185m >95 | 8 | --- | --- |
| Copper ppm | ASTM D5185m >60 | 25 | --- | --- |
| Tin ppm | ASTM D5185m >10 | 4 | --- | --- |
| Vanadium ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|----------------|-------------|--------------|----------|----------|
| Boron ppm | ASTM D5185m | 46 | --- | --- |
| Barium ppm | ASTM D5185m | 0 | --- | --- |
| Molybdenum ppm | ASTM D5185m | <1 | --- | --- |
| Manganese ppm | ASTM D5185m | 1 | --- | --- |
| Magnesium ppm | ASTM D5185m | 0 | --- | --- |
| Calcium ppm | ASTM D5185m | 134 | --- | --- |
| Phosphorus ppm | ASTM D5185m | 174 | --- | --- |
| Zinc ppm | ASTM D5185m | 11 | --- | --- |
| Sulfur ppm | ASTM D5185m | 1627 | --- | --- |

CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|----------|----------|----------|
| Silicon ppm | ASTM D5185m >25 | 5 | --- | --- |
| Sodium ppm | ASTM D5185m | 8 | --- | --- |
| Potassium ppm | ASTM D5185m >20 | 3 | --- | --- |

VISUAL

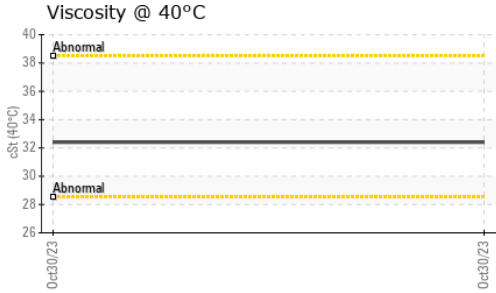
| method | limit/base | current | history1 | history2 |
|-------------------------|---------------|--------------|----------|----------|
| White Metal scalar | *Visual NONE | NONE | --- | --- |
| Yellow Metal scalar | *Visual NONE | NONE | --- | --- |
| Precipitate scalar | *Visual NONE | NONE | --- | --- |
| Silt scalar | *Visual NONE | NONE | --- | --- |
| Debris scalar | *Visual NONE | NONE | --- | --- |
| Sand/Dirt scalar | *Visual NONE | NONE | --- | --- |
| Appearance scalar | *Visual NORML | NORML | --- | --- |
| Odor scalar | *Visual NORML | NORML | --- | --- |
| Emulsified Water scalar | *Visual >0.1 | NEG | --- | --- |
| Free Water scalar | *Visual | NEG | --- | --- |

FLUID PROPERTIES

| method | limit/base | current | history1 | history2 |
|-------------|---------------|-------------|----------|----------|
| Visc @ 40°C | cSt ASTM D445 | 32.4 | --- | --- |

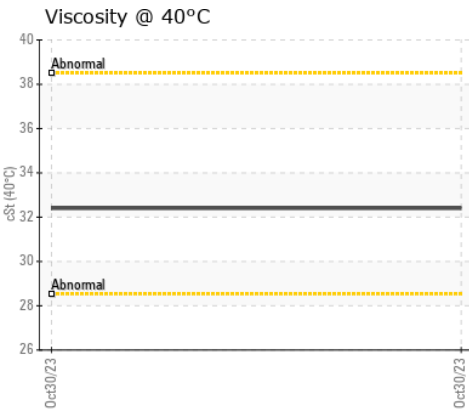
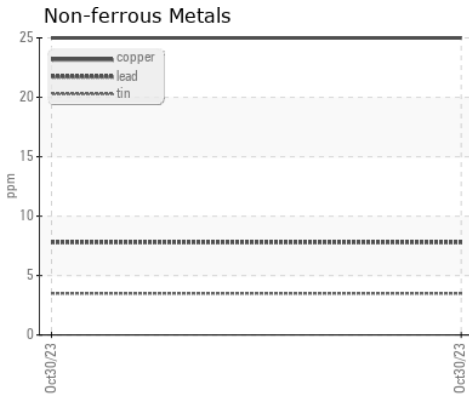
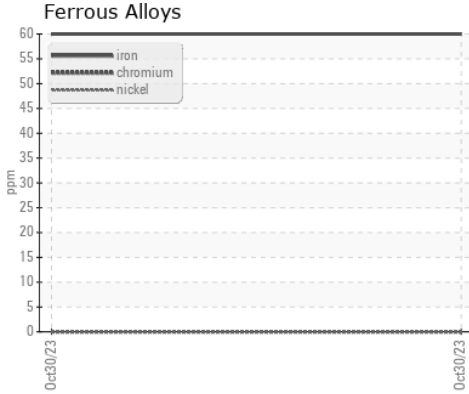


OIL ANALYSIS REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0098646 **Received** : 06 Nov 2023
Lab Number : 06000153 **Diagnosed** : 08 Nov 2023
Unique Number : 10728513 **Diagnostician** : Sean Felton
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)