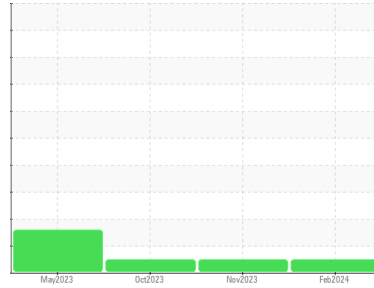




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
413065
 Component
Transmission (Auto)
 Fluid
{not provided} (--- 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. (Customer Sample Comment: Transmission)

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 | | GFL0105481 | GFL0094110 | GFL0094143 |
| Sample Date | Client Info | | 01 Feb 2024 | 02 Nov 2023 | 18 Oct 2023 |
| Machine Age | mls | Client Info | 41276 | 32468 | 31047 |
| Oil Age | mls | Client Info | 41276 | 32468 | 31047 |
| Oil Changed | Client Info | | Changed | Changed | Changed |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

CONTAMINATION

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

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >220 | 6 | 2 | 9 |
| Chromium | ppm | ASTM D5185m >2 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m >5 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >75 | 2 | 2 | 1 |
| Lead | ppm | ASTM D5185m >95 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m >60 | 12 | 7 | 45 |
| Tin | ppm | ASTM D5185m >10 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 3 | 2 | 4 |
| Barium | ppm | ASTM D5185m | 0 | 5 | 0 |
| Molybdenum | ppm | ASTM D5185m | 2 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | <1 | 0 | 2 |
| Magnesium | ppm | ASTM D5185m | 6 | 5 | 6 |
| Calcium | ppm | ASTM D5185m | 2891 | 2456 | 2717 |
| Phosphorus | ppm | ASTM D5185m | 953 | 787 | 869 |
| Zinc | ppm | ASTM D5185m | 1151 | 975 | 988 |
| Sulfur | ppm | ASTM D5185m | 3628 | 3276 | 3885 |

CONTAMINANTS

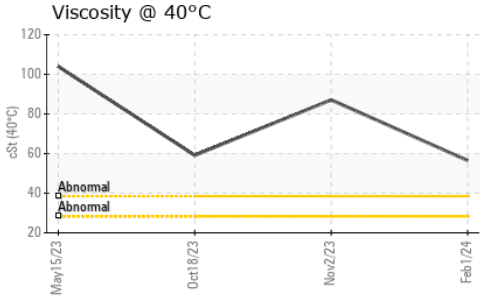
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m >25 | 12 | 11 | 20 |
| Sodium | ppm | ASTM D5185m | 4 | 4 | 2 |
| Potassium | ppm | ASTM D5185m >20 | 0 | 2 | 0 |

VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| 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 | 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 |
| Free Water | scalar | *Visual | NEG | NEG | NEG |



OIL ANALYSIS REPORT



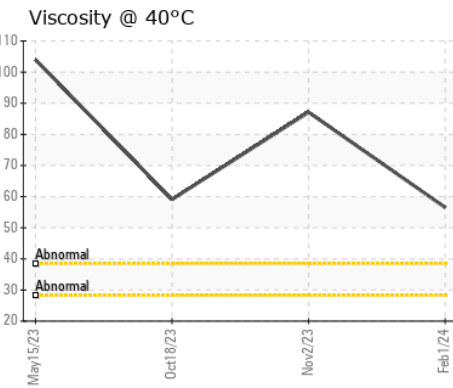
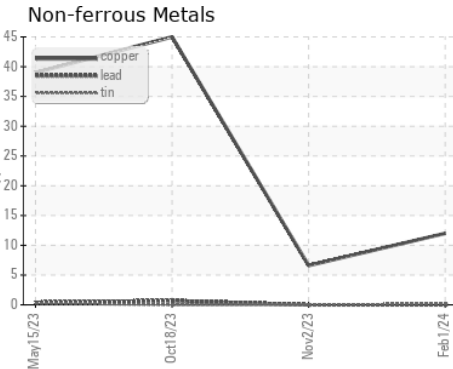
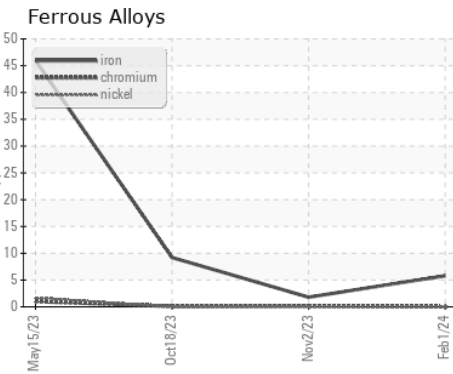
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 |
|-------------|---------------|-------------|----------|----------|
| Visc @ 40°C | cSt ASTM D445 | 56.5 | 87.1 | 59.1 |

SAMPLE IMAGES

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0105481 **Received** : 05 Feb 2024
Lab Number : 06080309 **Tested** : 06 Feb 2024
Unique Number : 10862400 **Diagnosed** : 07 Feb 2024 - Don Baldrige
Test Package : FLEET

GFL Environmental - 983 - Sugar Land Hauling
 16011 West Belfort Street
 Sugar Land, TX
 US 77498
 Contact: TECHNICIAN ACCOUNT
 wcgfldemo@gmail.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: