



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

Machine Id
426138
 Component
1 Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 1st Axle / Pusher)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | GFL0105467 | GFL0105521 | --- |
| Sample Date | | Client Info | | 03 Jul 2024 | 19 Jan 2024 | --- |
| Machine Age | mls | Client Info | | 289644 | 277220 | --- |
| Oil Age | mls | Client Info | | 289644 | 277220 | --- |
| Filter Age | mls | Client Info | | 289644 | 0 | --- |
| Oil Changed | | Client Info | | Not Changed | Changed | --- |
| Filter Changed | | Client Info | | Not Changed | Changed | --- |
| Sample Status | | | | NORMAL | ABNORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|-----|
| Iron | ppm | ASTM D5185m | >500 | 147 | ▲ 637 | --- |
| Chromium | ppm | ASTM D5185m | >10 | 1 | 5 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 2 | ▲ 11 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | ● 8 | --- |
| Lead | ppm | ASTM D5185m | >25 | <1 | 4 | --- |
| Copper | ppm | ASTM D5185m | >100 | 7 | 44 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | 2 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

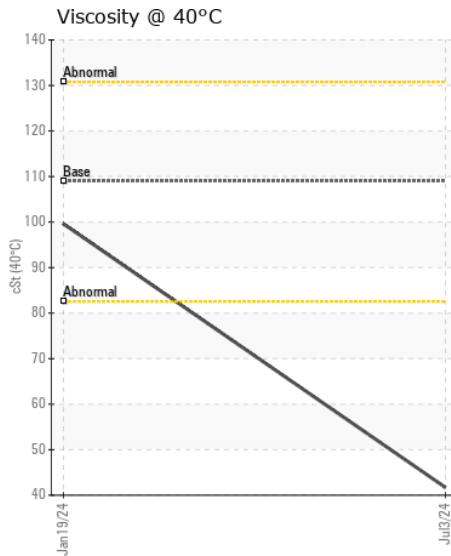
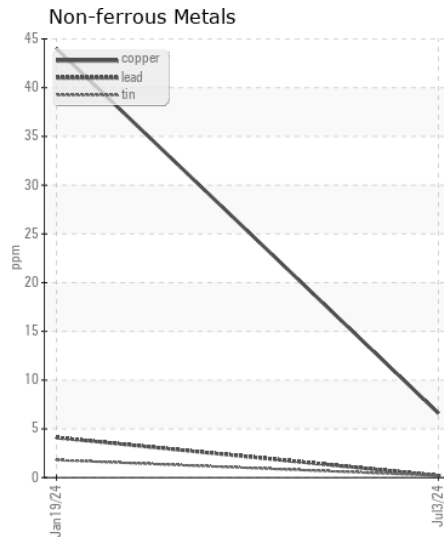
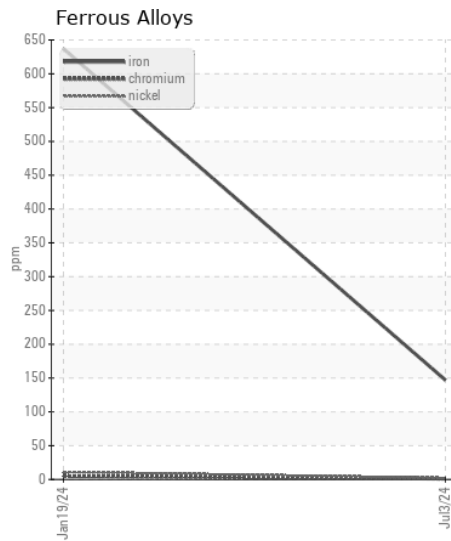
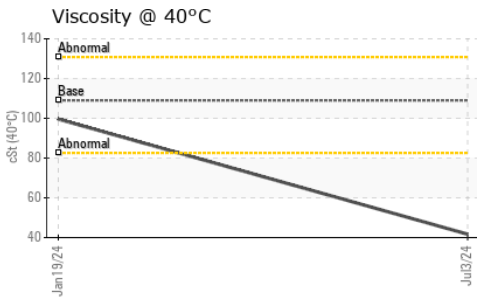
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 32 | ▲ 199 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 13 | --- |
| Water | | WC Method | >.2 | NEG | NEG | --- |
| 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 | >.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-------|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Boron | ppm | ASTM D5185m | 400 | 33 | 240 | --- |
| Barium | ppm | ASTM D5185m | 200 | <1 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 12 | <1 | 2 | --- |
| Manganese | ppm | ASTM D5185m | | 2 | 13 | --- |
| Magnesium | ppm | ASTM D5185m | 12 | <1 | 3 | --- |
| Calcium | ppm | ASTM D5185m | 150 | 1 | 43 | --- |
| Phosphorus | ppm | ASTM D5185m | 1650 | 578 | 1166 | --- |
| Zinc | ppm | ASTM D5185m | 125 | 13 | 63 | --- |
| Sulfur | ppm | ASTM D5185m | 22500 | 18333 | 22867 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 109 | 41.7 | 99.6 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0105467
Lab Number : 06235288
Unique Number : 11124122
Test Package : FLEET

Received : 12 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Sean Felton

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)

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F: