

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 8403 Component

Transmission 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.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

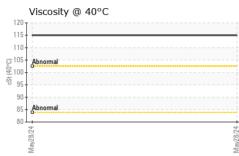
Fluid Condition

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

| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
|---------------|--------|---------------|------------|-------------|----------|----------|
| Sample Number | | Client Info | | GFL0112511 | | |
| Sample Date | | Client Info | | 28 May 2024 | | |
| Machine Age | kms | Client Info | | 130708 | | |
| Oil Age | kms | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.1 | NEG | | |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185(m) | >320 | 18 | | |
| Chromium | ppm | ASTM D5185(m) | >5 | <1 | | |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | | |
| Titanium | ppm | ASTM D5185(m) | | 0 | | |
| Silver | ppm | ASTM D5185(m) | | 0 | | |
| Aluminum | ppm | ASTM D5185(m) | >50 | 1 | | |
| Lead | ppm | ASTM D5185(m) | >65 | <1 | | |
| Copper | ppm | ASTM D5185(m) | >95 | 2 | | |
| Tin | ppm | ASTM D5185(m) | >6 | <1 | | |
| Antimony | ppm | ASTM D5185(m) | | 0 | | |
| Vanadium | ppm | ASTM D5185(m) | | 0 | | |
| Beryllium | ppm | ASTM D5185(m) | | 0 | | |
| Cadmium | ppm | ASTM D5185(m) | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185(m) | | 8 | | |
| Barium | ppm | ASTM D5185(m) | | <1 | | |
| Molybdenum | ppm | ASTM D5185(m) | | 57 | | |
| Manganese | ppm | ASTM D5185(m) | | 1 | | |
| Magnesium | ppm | ASTM D5185(m) | | 608 | | |
| Calcium | ppm | ASTM D5185(m) | | 1640 | | |
| Phosphorus | ppm | ASTM D5185(m) | | 743 | | |
| Zinc | ppm | ASTM D5185(m) | | 939 | | |
| Sulfur | ppm | ASTM D5185(m) | | 1976 | | |
| Lithium | ppm | ASTM D5185(m) | | <1 | | |
| CONTAMINAN | TS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | >65 | 3 | | |
| Sodium | ppm | ASTM D5185(m) | | 10 | | |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | | |



OIL ANALYSIS REPORT



| | VISUAL | | method | limit/base | current | history1 | history2 |
|-------------------------------|--|----------------|--------------------|------------|------------------------|----------|----------|
| | White Metal | scalar | Visual* | NONE | VLITE | | |
| 1 | Yellow Metal | scalar | Visual* | NONE | NONE | | |
| | Precipitate | scalar | Visual* | NONE | NONE | | |
| | Silt | scalar | Visual* | NONE | VLITE | | |
| 1 | Debris | scalar | Visual* | NONE | NONE | | |
| | Sand/Dirt | scalar | Visual* | NONE | NONE | | |
| May28/24 | Appearance | scalar | Visual* | NORML | NORML | | |
| May | Odor | scalar | Visual* | NORML | NORML | | |
| | Emulsified Water | scalar | Visual* | >0.1 | NEG | | |
| | Free Water | scalar | Visual* | | NEG | | |
| | FLUID PROPE | RTIES | method | limit/base | current | history1 | history2 |
| | Visc @ 40°C | cSt | ASTM D7279(m) | | 115 | | |
| | SAMPLE IMAG | GES | method | limit/base | current | history1 | history2 |
| | Color | | | | | no image | no image |
| | Bottom | | | | | no image | no image |
| | GRAPHS | | | | | | |
| | Iron (ppm) | | | | Lead (ppm) | | |
| | 600 Severe | | | 150 | Severe | | |
| | Abnormal 200 | | | E 100 | Abnormal | | |
| | 200 | | | | | | |
| | May28/24 | | | May28/24 | May28/24 | | May28/24 |
| | ≥ Aluminum (ppm) | | | 2 | ≥ Chromium (pp | m) | 2 |
| | ¹⁰⁰ Severe | | | 15 T | T 3 | | |
| | E 50 - Abnormal | | | 10 8 | Severe | | |
| | 4d 50 4 | | | | | | |
| | 24 | | | 24 | | | 24 |
| | May28/24 | | | May28/24 | May28/24 | | May28/24 |
| | | | | W | | | W |
| | Copper (ppm) | | | 150 | Silicon (ppm) | | |
| | E 100 - Abnormal | | | E 100 | Severe | | |
| | | | | | Abnormal | | |
| | 044 | | | 24 | 24 | | 24 |
| | May28/2 ⁴ | | | May28/24 | May28/24 | | May28/24 |
| | ≥ Viscosity @ 40°C | | | \geq | ≥ Additives | | M |
| | 200 T | | | 2000 | | | |
| | (2. 9) 100 - Abnomal 장 | | | E 1500 | - calcium | | |
| | cSt | | | 1000 | same zinc | | |
| | 24 | | | | 724 | | 24 + |
| | May28/24 | | | May28/24 | May28/2 | | May28/24 |
| CALA Laboratory Sample No. | - : WearCheck - C8-1175 : GFL0112511 : 02639942 | Recei Teste | ved : 05 d : 06 | | . 5H9 GFL Env i | | |

Report Id: GFL554 [WCAMIS] 02639942 (Generated: 06/06/2024 11:52:13) Rev: 1

Contact/Location: Tim Greig - GFL554 Page 2 of 2