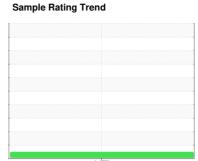


OIL ANALYSIS REPORT









Machine Id 341 **Diesel Engine DIESEL ENGINE OIL S**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

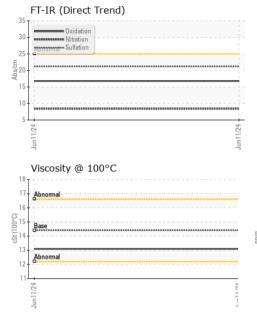
Fluid Condition

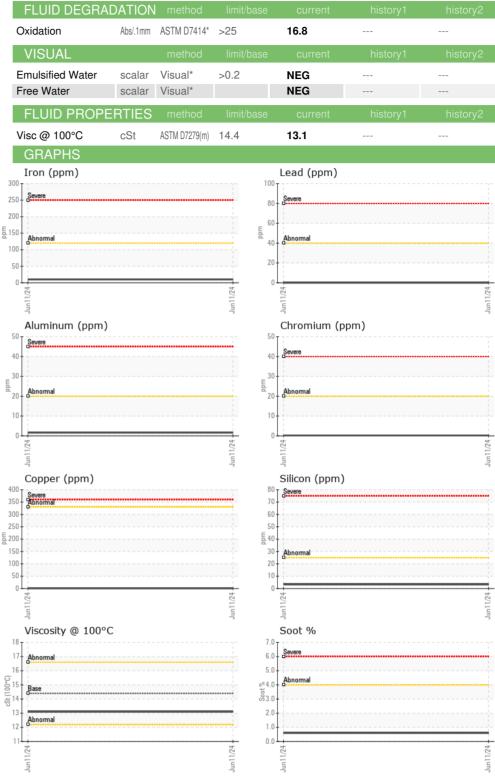
The condition of the oil is acceptable for the time in service.

| AE 40 (GAL) | | | | | | |
|---------------|----------|--------------------------------|--------------|-------------|-----------------|----------|
| CAMPLE INCOR | MATION | اد د داد دد. | lii.t/lo | | المناها المناها | histom O |
| SAMPLE INFOR | MATION | | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | GFL0113226 | | |
| Sample Date | | Client Info | | 11 Jun 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 11283 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >3.0 | <1.0 | | |
| Water | | WC Method | >0.2 | NEG | | |
| Glycol | | WC Method | | NEG | | |
| WEAR METAL | .S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185(m) | >120 | 10 | | |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | | |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | | |
| Titanium | ppm | ASTM D5185(m) | | 0 | | |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | | |
| Aluminum | ppm | ASTM D5185(m) | >20 | 2 | | |
| Lead | ppm | ASTM D5185(m) | >40 | 0 | | |
| Copper | ppm | ASTM D5185(m) | | <1 | | |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | | |
| Antimony | ppm | ASTM D5185(m) | >10 | 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) | 250 | 11 | | |
| Barium | ppm | ASTM D5185(m) | 10 | 0 | | |
| Molybdenum | ppm | ASTM D5185(m) | 100 | 54 | | |
| Manganese | ppm | ASTM D5185(m) | 100 | <1 | | |
| Magnesium | | ASTM D5185(m) | 450 | 844 | | |
| Calcium | ppm | ASTM D5185(m) | 3000 | - | | |
| Phosphorus | ppm | ASTM D5185(m) | 1150 | 1191 866 | | |
| Zinc | ppm | | | 1074 | | |
| Sulfur | ppm | ASTM D5185(m) ASTM D5185(m) | 1350 4250 | 2117 | | |
| Lithium | ppm | ASTM D5185(m) | 4230 | <1 | | |
| | ppm | | | | | |
| CONTAMINAN | ITS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | >25 | 3 | | |
| Sodium | ppm | ASTM D5185(m) | >216 | 4 | | |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | | |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | ASTM D7844* | >4 | 0.6 | | |
| Nitration | Abs/cm | ASTM D7624* | >20 | 8.4 | | |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 21.2 | | |



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02641332 Unique Number : 5798871 Test Package : MOB 1

: GFL0113226

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Received : 12 Jun 2024 **Tested** : 12 Jun 2024

Diagnosed : 12 Jun 2024 - Wes Davis

GFL Environmental - 246 - Windsor 2700 Deziel Dr Windsor, ON CA N8W 5H8 Contact: Dave Varga dvarga@gflenv.com T: (519)944-8009

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.