

OIL ANALYSIS REPORT

Area **DIESEL GENERATING UNITS** CUMMINS AUXILIARY GENERATOR #1 (CAL007) (S/N 33217103)

Auxiliary Engine

Fluid MOBIL DELVAC 1300 SUPER15W40 (500 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

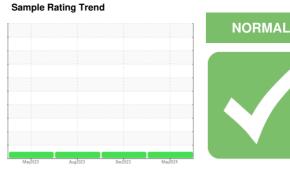
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

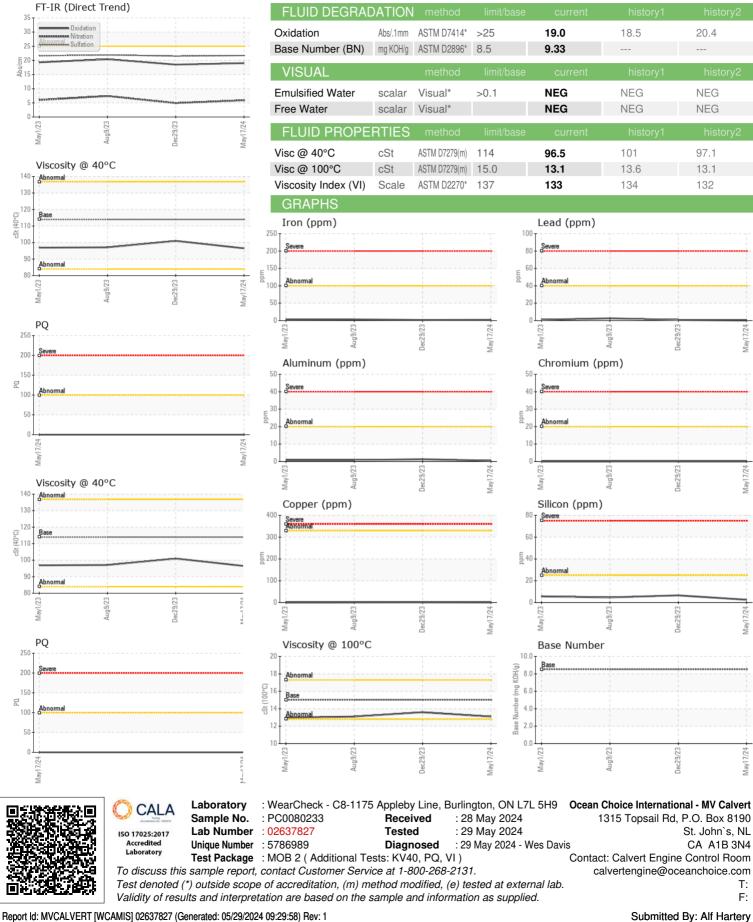




| SAMPLE INFORI | MATION | method | limit/base | current | history1 | history2 |
|---------------|----------|---------------|------------|-------------|-------------|-------------|
| Sample Number | | Client Info | | PC0080233 | PC0011819 | PC0010706 |
| Sample Date | | Client Info | | 17 May 2024 | 29 Dec 2023 | 09 Aug 2023 |
| Machine Age | hrs | Client Info | | 6877 | 6331 | 5789 |
| Oil Age | hrs | Client Info | | 6877 | 6331 | 5789 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >4.0 | <1.0 | <1.0 | <1.0 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Glycol | | WC Method | | NEG | NEG | NEG |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| PQ | | ASTM D8184* | | 0 | | |
| Iron | ppm | ASTM D5185(m) | >100 | 2 | 2 | 3 |
| Chromium | ppm | ASTM D5185(m) | >20 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >20 | <1 | 1 | <1 |
| Lead | ppm | ASTM D5185(m) | >40 | <1 | <1 | 3 |
| Copper | ppm | ASTM D5185(m) | >330 | <1 | 1 | <1 |
| Tin | ppm | ASTM D5185(m) | >15 | 0 | 0 | 0 |
| Antimony | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Beryllium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185(m) | 0 | 54 | 51 | 46 |
| Barium | ppm | ASTM D5185(m) | 0 | 0 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185(m) | 0 | 40 | 38 | 43 |
| Manganese | ppm | ASTM D5185(m) | | <1 | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) | 0 | 532 | 504 | 564 |
| Calcium | ppm | ASTM D5185(m) | | 1694 | 1577 | 1708 |
| Phosphorus | ppm | ASTM D5185(m) | | 751 | 732 | 766 |
| Zinc | ppm | ASTM D5185(m) | | 875 | 822 | 923 |
| Sulfur | ppm | ASTM D5185(m) | | 2135 | 2189 | 2172 |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| CONTAMINAN | TS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | >25 | 3 | 7 | 5 |
| Sodium | ppm | ASTM D5185(m) | | 2 | 2 | 2 |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | <1 | 0 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | ASTM D7844* | | 0 | 0 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 5.9 | 4.9 | 7.4 |
| Sulfation | Abs/.1mm | ASTM D7415* | >30 | 21.7 | 21.5 | 21.9 |



OIL ANALYSIS REPORT



Report Id: MVCALVERT [WCAMIS] 02637827 (Generated: 05/29/2024 09:29:58) Rev: 1

Page 2 of 2