

Machine Id Schaefer Logging Inc (S/N TL725D0984112122) Component Pump Drive Fluid Inct provided (CAL)

{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. There is a trace of moisture present in the oil.

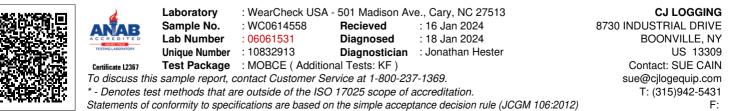
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|------------------|--------|-----------------------|-----------|----------------------------|----------|----------|
| Test | UOM | Method Client Info | Limit/Abn | Current | History1 | History2 |
| Sample Number | | | | WC0614558 | | |
| Sample Date | le une | Client Info | | 02 Jan 2024 | | |
| Machine Age | hrs | Client Info | | 347 | | |
| Oil Age | hrs | Client Info | | 347 | | |
| Filter Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Not Changd | | |
| Filter Changed | | Client Info | | N/A | | |
| Sample Status | | | | ABNORMAL | | |
| Iron | ppm | ASTM D5185m | >500 | 610 | | |
| Chromium | ppm | ASTM D5185m | >15 | 6 | | |
| Nickel | ppm | ASTM D5185m | >10 | 2 | | |
| Titanium | ppm | ASTM D5185m | | 45 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >20 | 5 4 | | |
| Lead | ppm | ASTM D5185m | | 0 | | |
| Copper | ppm | ASTM D5185m | >35 | 2 | | |
| Tin | ppm | ASTM D5185m | >4 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | <1 | | |
| White Metal | scalar | *Visual | NONE | NONE | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| | | | | | | |
| Silicon | ppm | ASTM D5185m | >75 | 1 57 | | |
| Potassium | ppm | ASTM D5185m | >20 | 0 | | |
| Water | % | ASTM D6304 | >0.2 | 0.152 | | |
| ppm Water | ppm | ASTM D6304 | >2000 | <u> </u> | | |
| Silt | scalar | *Visual | NONE | NONE | | |
| Debris | scalar | *Visual | NONE | NONE | | |
| Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| Appearance | scalar | *Visual | NORML | NORML | | |
| Odor | scalar | *Visual | NORML | NORML | | |
| Emulsified Water | scalar | *Visual | >0.2 | 0.2% | | |
| Sodium | ppm | ASTM D5185m | | 6 | | |
| Boron | ppm | ASTM D5185m | | 0 | | |
| Barium | ppm | ASTM D5185m | | 27 | | |
| Molybdenum | ppm | ASTM D5185m | | 1 | | |
| Manganese | ppm | ASTM D5185m | | 7 | | |
| Magnesium | ppm | ASTM D5185m | | 13 | | |
| Calcium | ppm | ASTM D5185m | | 296 | | |
| Phosphorus | ppm | ASTM D5185m | | 666 | | |
| Zinc | ppm | ASTM D5185m | | 211 | | |
| Sulfur | ppm | ASTM D5185m | | 18002 | | |
| Visc @ 40°C | cSt | ASTM D445 | | 107 | | |

FLUID CONDITION

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

Submitted By: Elise Bailey





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