

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

SMEAL LADDER 181

Hydraulic System AW HYDRAULIC OIL ISO 32 (--- GAL)

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

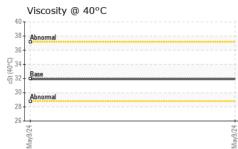
Fluid Condition

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

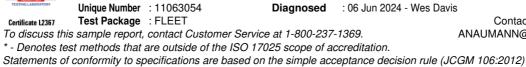
| SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 | |
|------------------|---|-------------|------------|-------------|----------|----------|--|
| Sample Number | | Client Info | | WC0938760 | | | |
| Sample Date | | Client Info | | 09 May 2024 | | | |
| Machine Age | hrs | Client Info | | 0 | | | |
| Oil Age | hrs | Client Info | | 0 | | | |
| Oil Changed | | Client Info | | Not Changd | | | |
| Sample Status | | | | NORMAL | | | |
| CONTAMINATION | ٧ | method | limit/base | current | history1 | history2 | |
| Water | | WC Method | >0.1 | NEG | | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 | |
| Iron | ppm | ASTM D5185m | >20 | 0 | | | |
| Chromium | ppm | ASTM D5185m | >10 | <1 | | | |
| Nickel | ppm | ASTM D5185m | >10 | 0 | | | |
| Titanium | ppm | ASTM D5185m | | <1 | | | |
| Silver | ppm | ASTM D5185m | | 0 | | | |
| Aluminum | ppm | ASTM D5185m | >10 | 4 | | | |
| Lead | ppm | ASTM D5185m | >10 | 0 | | | |
| Copper | ppm | ASTM D5185m | >75 | <1 | | | |
| Tin | ppm | ASTM D5185m | >10 | <1 | | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 | |
| | | | ~ | | | | |
| Boron | ppm | ASTM D5185m | 5 | 0 | | | |
| Barium | ppm | ASTM D5185m | 5 | 1 | | | |
| Molybdenum | ppm | ASTM D5185m | 5 | 0 | | | |
| Manganese | ppm | ASTM D5185m | 05 | 0 | | | |
| Magnesium | ppm | ASTM D5185m | 25 | 6 | | | |
| Calcium | ppm | ASTM D5185m | 200 | 58 | | | |
| Phosphorus | ppm | ASTM D5185m | 300 | 311 | | | |
| Zinc | ppm | ASTM D5185m | 370 | 408 | | | |
| Sulfur | ppm | ASTM D5185m | 2500 | 829 | | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 | |
| Silicon | ppm | ASTM D5185m | >20 | <1 | | | |
| Sodium | ppm | ASTM D5185m | | 0 | | | |
| Potassium | ppm | ASTM D5185m | >20 | 2 | | | |
| VISUAL | | method | limit/base | current | history1 | history2 | |
| White Metal | scalar | *Visual | NONE | NONE | | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | | |
| Precipitate | scalar | *Visual | NONE | NONE | | | |
| 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 | >0.1 | NEG | | | |
| Free Water | scalar | *Visual | | NEG | | | |
| :02:07) Rev: 1 | Contact/Location: AUGUST NAUMANN - MAGMAGTX | | | | | | |



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| | FLUID PROPERTIES | method limit/base | e current | history1 | history2 |
|---|---|---------------------|-----------|--------------|---|
| | Visc @ 40°C cSt | ASTM D445 32 | 31.9 | | |
| | SAMPLE IMAGES | method limit/base | e current | history1 | history2 |
| 4. | Color | | no image | no image | no image |
| May9/24 | Bottom | | no image | no image | no image |
| | GRAPHS | | | | |
| | Ferrous Alloys | | | | |
| | Non-ferrous Metals | Mar924 | | | |
| | Viscosity @ 40°C | May9/24 | | | |
| | 38 - Abnormal | | | | |
| | 36 34 g 34 g 32 g 33 g 32 g 33 g 33 | | | | |
| | 30 28 26 47 6 47 6 6 8 7 6 8 7 8 7 8 7 8 7 8 7 8 7 8 7 | May9/24 | | | |
| Laboratory Sample No. Lab Number Unique Number Test Package | : 06200931 Test : 11063054 Diag | eived : 05 Jun 2024 | | AGNOLIA FIRE | PO BOX 1210 MAGNOLIA, TX US 77355 |



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