



OIL ANALYSIS REPORT

| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |



Area
COLORADO/443
Machine Id
20.309L [COLORADO^443]
Component
Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0928666 | WC0883965 | WC0883933 |
| Sample Date | | Client Info | | 24 Jun 2024 | 25 Apr 2024 | 20 Mar 2024 |
| Machine Age | hrs | Client Info | | 2080 | 1816 | 1582 |
| Oil Age | hrs | Client Info | | 0 | 1311 | 1204 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >800 | 39 | 44 | 75 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | 1 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | >15 | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | 1 |
| Aluminum | ppm | ASTM D5185m | >75 | 3 | <1 | 2 |
| Lead | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >75 | <1 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >8 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

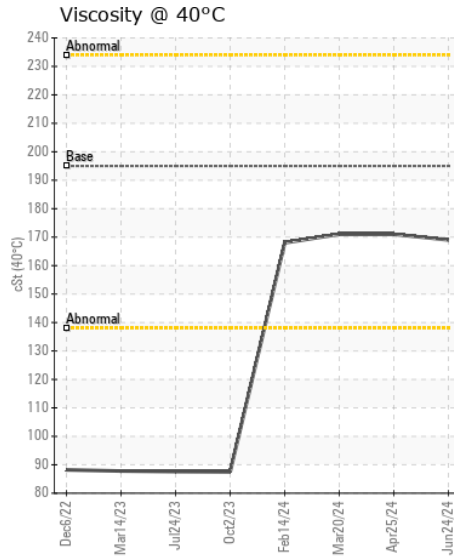
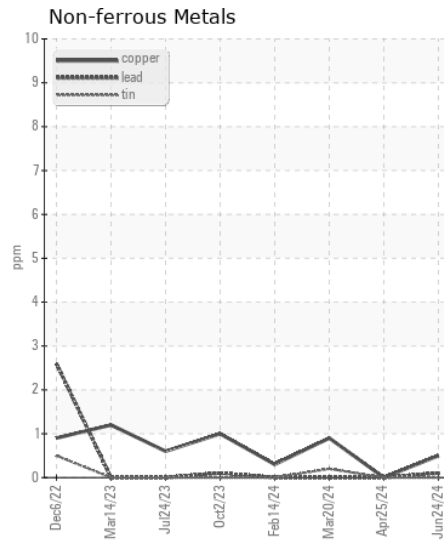
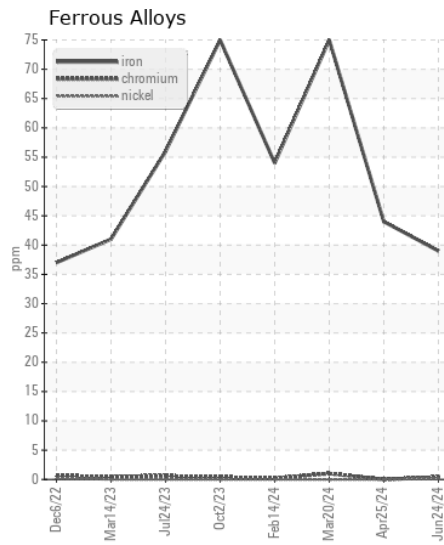
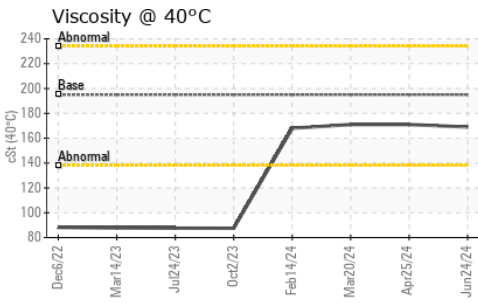
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >400 | 9 | 9 | 12 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 0 | 4 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 2 | 3 | 3 |
| Boron | ppm | ASTM D5185m | | 2 | 2 | 2 |
| Barium | ppm | ASTM D5185m | | 8 | 7 | 13 |
| Molybdenum | ppm | ASTM D5185m | | 1 | 5 | 2 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 21 | 17 | 31 |
| Calcium | ppm | ASTM D5185m | | 3179 | 2856 | 4493 |
| Phosphorus | ppm | ASTM D5185m | | 1136 | 965 | 1487 |
| Zinc | ppm | ASTM D5185m | | 1315 | 1135 | 1802 |
| Sulfur | ppm | ASTM D5185m | | 14997 | 13314 | 19680 |
| Visc @ 40°C | cSt | ASTM D445 | 195 | 169 | 171 | 171 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0928666
Lab Number : 06222615
Unique Number : 11100812
Test Package : CONST

Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 Jun 2024 - Wes Davis

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)