

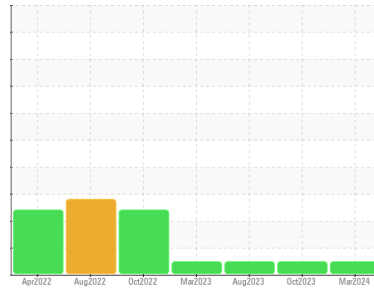


OIL ANALYSIS REPORT



Area
OKLAHOMA/3
Machine Id
39.63 [OKLAHOMA^3]
Component
Left Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



NORMAL



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

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC0874005 | WC0857242 | WC0833959 |
| Sample Date | Client Info | | 18 Mar 2024 | 19 Oct 2023 | 24 Aug 2023 |
| Machine Age | hrs | Client Info | 5377 | 4226 | 3833 |
| Oil Age | hrs | Client Info | 5377 | 4085 | 3613 |
| Oil Changed | Client Info | | Not Chngd | N/A | N/A |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.2 | NEG | NEG | NEG |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >800 | 663 | 532 | 514 |
| Chromium | ppm | ASTM D5185m >10 | 7 | 6 | 6 |
| Nickel | ppm | ASTM D5185m >5 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m >15 | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185m >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >75 | 2 | 2 | 3 |
| Lead | ppm | ASTM D5185m >10 | 2 | <1 | 2 |
| Copper | ppm | ASTM D5185m >75 | 9 | 7 | 8 |
| Tin | ppm | ASTM D5185m >8 | <1 | 0 | 1 |
| Vanadium | ppm | ASTM D5185m | 0 | <1 | <1 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | <1 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 39 | 38 | 45 |
| Barium | ppm | ASTM D5185m | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 2 | 1 | 4 |
| Manganese | ppm | ASTM D5185m | 8 | 7 | 8 |
| Magnesium | ppm | ASTM D5185m | 23 | 23 | 28 |
| Calcium | ppm | ASTM D5185m | 2296 | 2048 | 2118 |
| Phosphorus | ppm | ASTM D5185m | 909 | 686 | 781 |
| Zinc | ppm | ASTM D5185m | 882 | 820 | 845 |
| Sulfur | ppm | ASTM D5185m | 11816 | 9057 | 10903 |

CONTAMINANTS

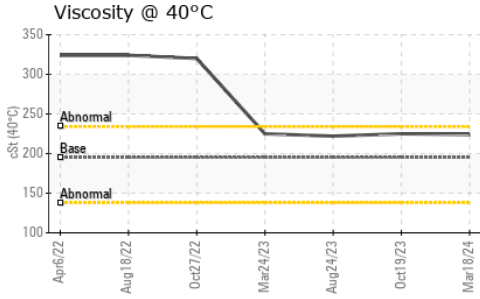
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m >400 | 12 | 11 | 11 |
| Sodium | ppm | ASTM D5185m | 6 | 4 | 4 |
| Potassium | ppm | ASTM D5185m >20 | 6 | 5 | 6 |

VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual NONE | NONE | NONE | NONE |
| 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 |
| Free Water | scalar | *Visual | NEG | NEG | NEG |



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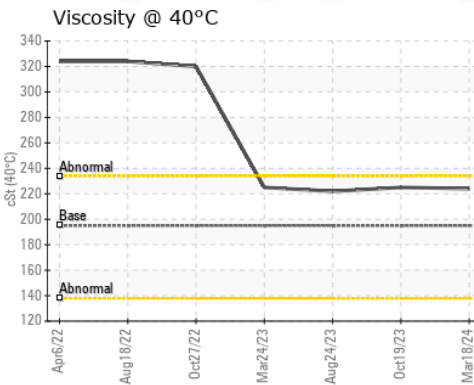
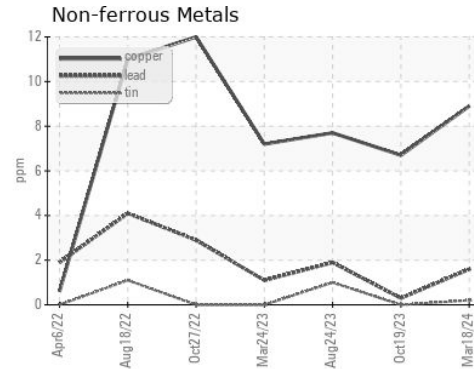
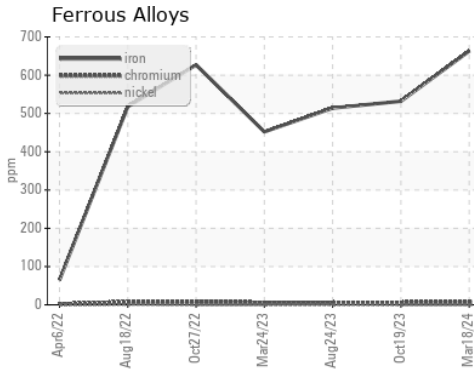


| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|------------|----------|-----|
| Visc @ 40°C | cSt | ASTM D445 | 195 | 224 | 225 | 222 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|

| | | | |
|--------|----------|----------|----------|
| Color | no image | no image | no image |
| Bottom | no image | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0874005
Lab Number : **06140319**
Unique Number : 10965127
Test Package : CONST
Received : 05 Apr 2024
Tested : 08 Apr 2024
Diagnosed : 09 Apr 2024 - Don Baldrige

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: SHAWN SOUTH
 shawn.south@sherwood.net

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)

T: x:

F: x: