



OIL ANALYSIS REPORT

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

Area
Mobile Fleet
 Machine Id
6441 6441
 Component
Hydraulic System
 Fluid
MOBIL MOBILFLUID 424 (20 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0947865 | WC0918987 | WC0861899 |
| Sample Date | | Client Info | | 11 Jul 2024 | 14 Mar 2024 | 28 Dec 2023 |
| Machine Age | hrs | Client Info | | 10220 | 9584 | 9221 |
| Oil Age | hrs | Client Info | | 636 | 1077 | 714 |
| Filter Age | hrs | Client Info | | 636 | 1077 | 714 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | ABNORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >20 | 2 | 0 | 2 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >10 | 3 | 1 | 2 |
| Lead | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >75 | 23 | 20 | 16 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

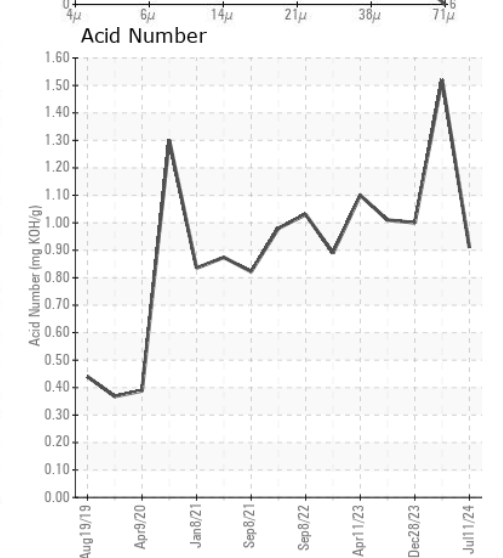
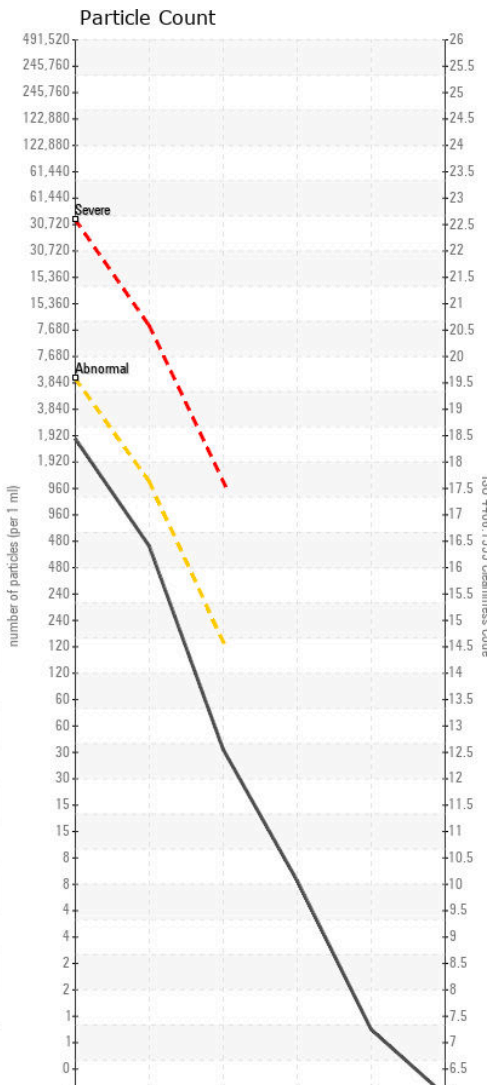
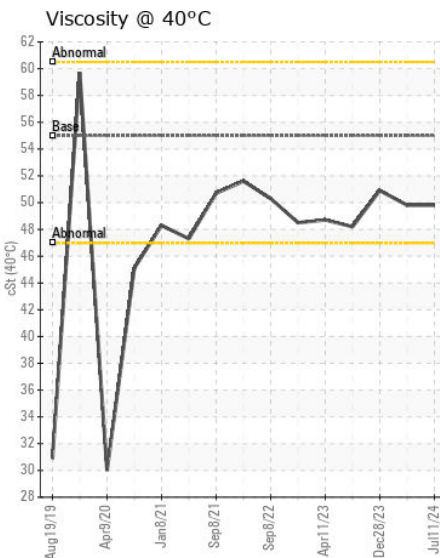
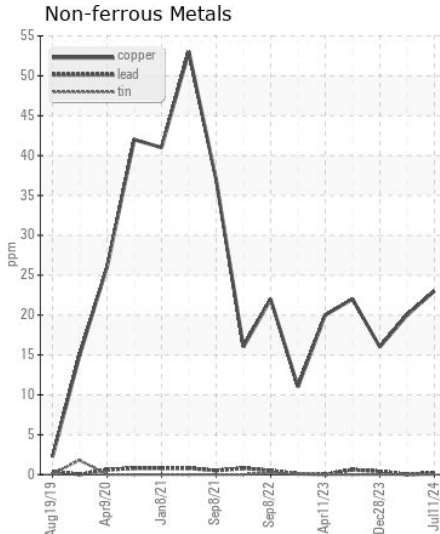
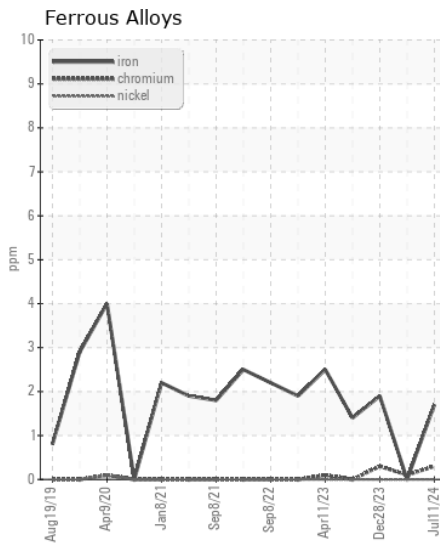
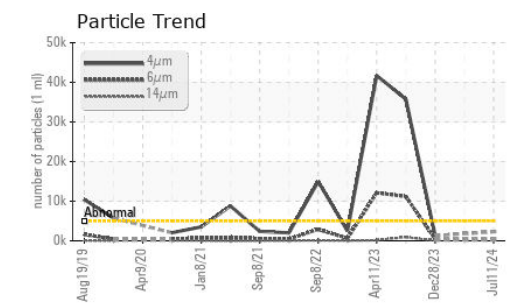
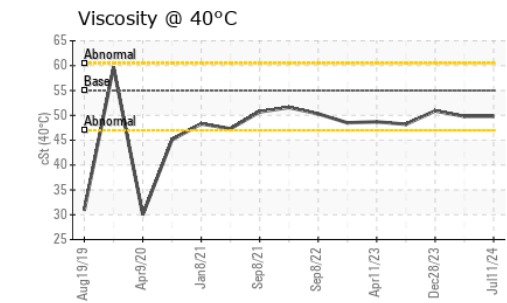
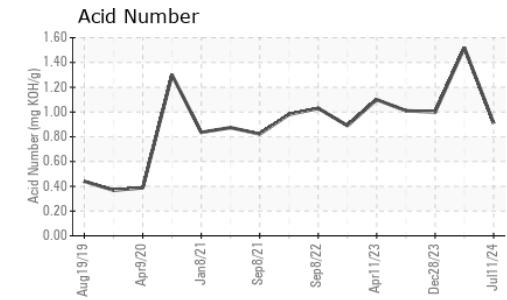
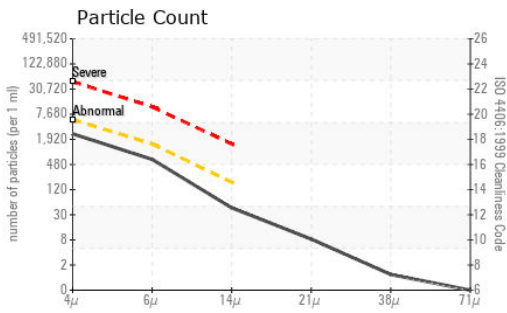
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|---------|----------|
| Silicon | ppm | ASTM D5185m | >20 | 12 | 10 | 8 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 1 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >5000 | 2277 | --- | 1307 |
| Particles >6µm | | ASTM D7647 | >1300 | 558 | --- | 415 |
| Particles >14µm | | ASTM D7647 | >160 | 39 | --- | 37 |
| Particles >21µm | | ASTM D7647 | >40 | 7 | --- | 8 |
| Particles >38µm | | ASTM D7647 | >10 | 1 | --- | 0 |
| Particles >71µm | | ASTM D7647 | >3 | 0 | --- | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 18/16/12 | --- | 18/16/12 |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | ▲ MODER | 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 | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

| | | | | | | |
|------------------|----------|-------------|----|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 0 | 2 | 0 |
| Boron | ppm | ASTM D5185m | | 130 | 112 | 112 |
| Barium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 12 | 12 | 14 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | | 64 | 75 | 74 |
| Calcium | ppm | ASTM D5185m | | 3643 | 3415 | 3365 |
| Phosphorus | ppm | ASTM D5185m | | 1010 | 1170 | 1103 |
| Zinc | ppm | ASTM D5185m | | 1433 | 1465 | 1401 |
| Sulfur | ppm | ASTM D5185m | | 7277 | 9025 | 8613 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.91 | 1.52 | 1.00 |
| Visc @ 40°C | cSt | ASTM D445 | 55 | 49.8 | 49.8 | 50.9 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0947865

Lab Number : 06235755

Unique Number : 11124589

Test Package : CONST

Received : 15 Jul 2024

Tested : 16 Jul 2024

Diagnosed : 16 Jul 2024 - Don Baldridge

CAROLINA SUNROCK

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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)