



OIL ANALYSIS REPORT

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

Area
Mobile Fleet
 Machine Id
6457 6457
 Component
Transmission (Auto)
 Fluid
MOBIL DELVAC SYNTHETIC ATF (8 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0939419 | WC0861575 | WC0808811 |
| Sample Date | | Client Info | | 22 May 2024 | 02 Jan 2024 | 20 Jul 2023 |
| Machine Age | hrs | Client Info | | 4174 | 3347 | 2236 |
| Oil Age | hrs | Client Info | | 4137 | 1072 | 2199 |
| Filter Age | hrs | Client Info | | 1936 | 1072 | 2199 |
| Oil Changed | | Client Info | | Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Changed | Not Changed | Changed |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >300 | 60 | 62 | 55 |
| Chromium | ppm | ASTM D5185m | >2 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >4 | 2 | 1 | <1 |
| Titanium | ppm | ASTM D5185m | >3 | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >5 | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >70 | 29 | 31 | 24 |
| Lead | ppm | ASTM D5185m | >85 | 23 | 17 | 9 |
| Copper | ppm | ASTM D5185m | >90 | 13 | 13 | 10 |
| Tin | ppm | ASTM D5185m | >10 | 6 | 6 | 5 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

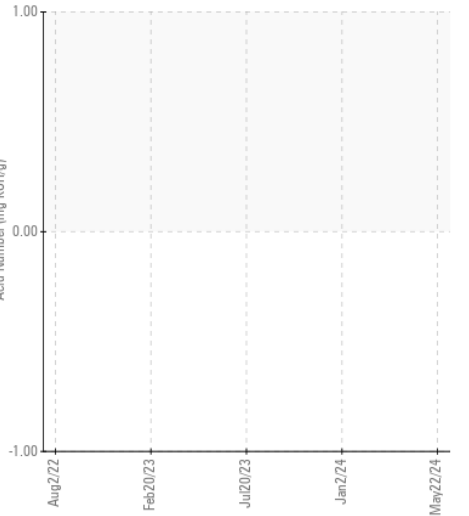
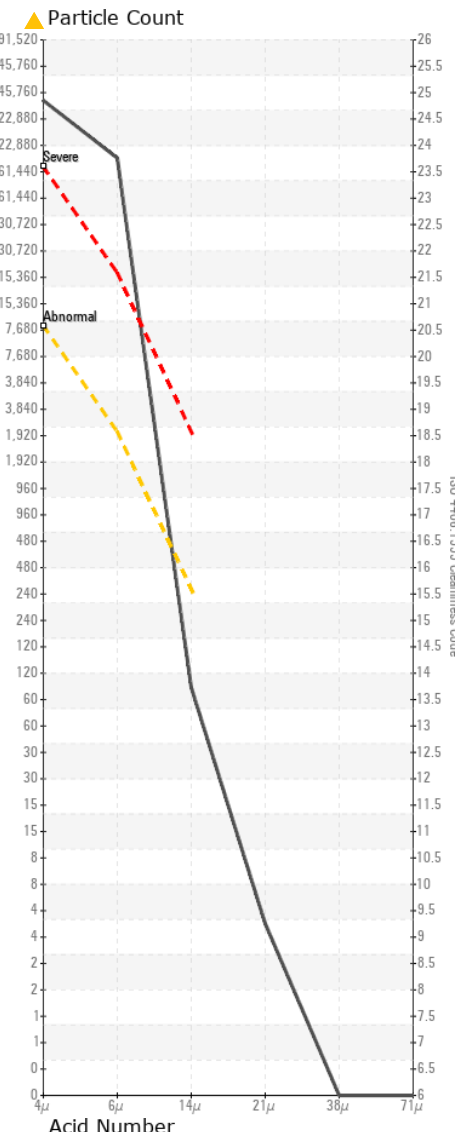
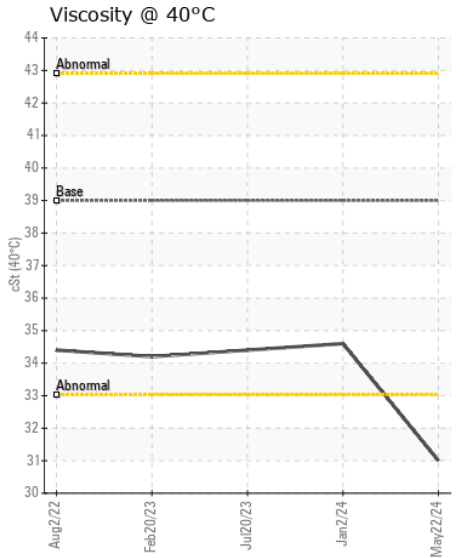
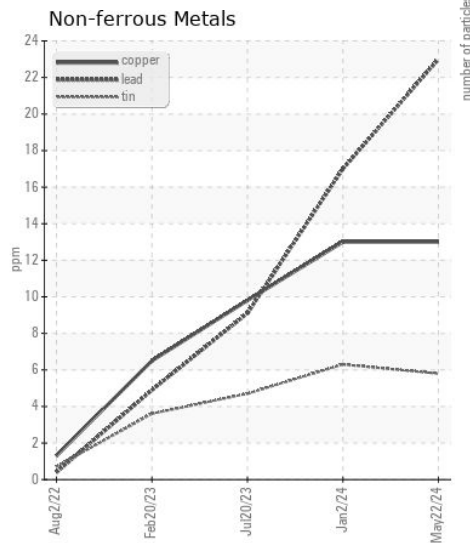
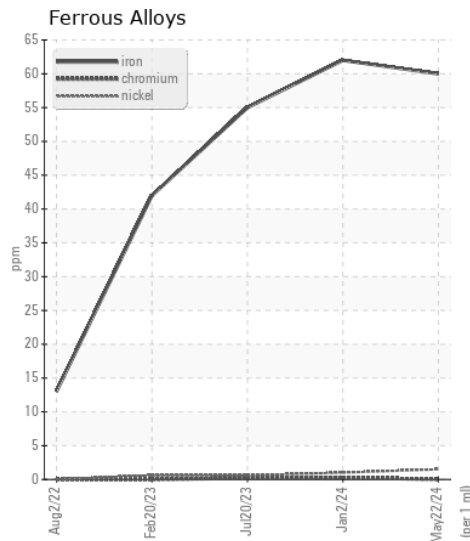
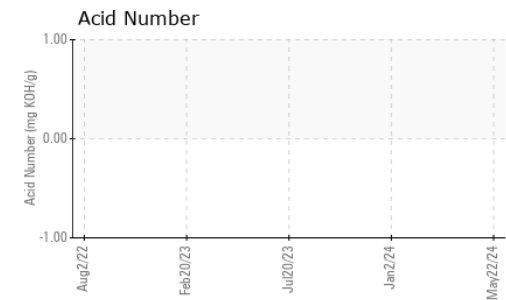
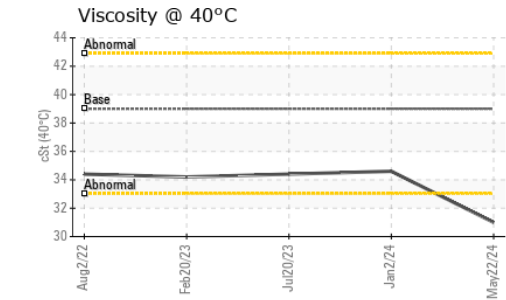
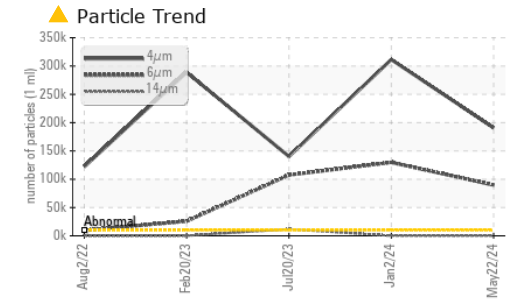
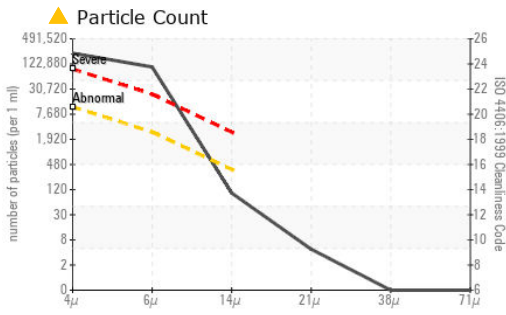
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

| | | | | | | |
|------------------|--------|--------------|-----------|-------------------|------------|------------|
| Silicon | ppm | ASTM D5185m | >20 | 5 | 4 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | 6 | 5 | 4 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >10000 | ▲ 190685 | ▲ 311395 | ▲ 140239 |
| Particles >6µm | | ASTM D7647 | >2500 | ▲ 89738 | ▲ 129734 | ▲ 107535 |
| Particles >14µm | | ASTM D7647 | >320 | 88 | 188 | ▲ 11793 |
| Particles >21µm | | ASTM D7647 | >80 | 4 | 19 | ▲ 499 |
| Particles >38µm | | ASTM D7647 | >20 | 0 | 3 | 2 |
| Particles >71µm | | ASTM D7647 | >4 | 0 | 3 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/15 | ▲ 25/24/14 | ▲ 25/24/15 | ▲ 24/24/21 |
| 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 | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|----|-------------|------|------|
| Sodium | ppm | ASTM D5185m | | 6 | 6 | 4 |
| Boron | ppm | ASTM D5185m | | 100 | 109 | 99 |
| Barium | ppm | ASTM D5185m | | 0 | 10 | 2 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 1 | <1 |
| Manganese | ppm | ASTM D5185m | | 2 | 1 | 1 |
| Magnesium | ppm | ASTM D5185m | | 2 | 1 | 1 |
| Calcium | ppm | ASTM D5185m | | 60 | 69 | 62 |
| Phosphorus | ppm | ASTM D5185m | | 263 | 330 | 253 |
| Zinc | ppm | ASTM D5185m | | 5 | 5 | 4 |
| Sulfur | ppm | ASTM D5185m | | 1392 | 1364 | 1348 |
| Visc @ 40°C | cSt | ASTM D445 | 39 | 31.0 | 34.6 | 34.4 |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939419 **Received** : 28 May 2024
Lab Number : 06192743 **Tested** : 30 May 2024
Unique Number : 11049495 **Diagnosed** : 30 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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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)