



OIL ANALYSIS REPORT

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

Mobile Fleet

Machine Id
6456 6456

Component
Transmission (Auto)

Fluid
MOBIL 1 SYNTHETIC ATF (8 GAL)

RECOMMENDATION

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 | | WC0937796 | WC0862099 | WC0726439 |
| Sample Date | | Client Info | | 20 May 2024 | 26 Sep 2023 | 02 Aug 2022 |
| Machine Age | hrs | Client Info | | 2956 | 2032 | 36 |
| Oil Age | hrs | Client Info | | 2920 | 1996 | 0 |
| Filter Age | hrs | Client Info | | 933 | 1996 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Changed | Not Changd |
| Sample Status | | | | ATTENTION | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|-------------|------|------|
| Iron | ppm | ASTM D5185m | >300 | 19 | 16 | 11 |
| Chromium | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >4 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | >3 | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >70 | 9 | 6 | 2 |
| Lead | ppm | ASTM D5185m | >85 | 1 | 1 | <1 |
| Copper | ppm | ASTM D5185m | >90 | 3 | 3 | 1 |
| Tin | ppm | ASTM D5185m | >10 | 2 | 1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

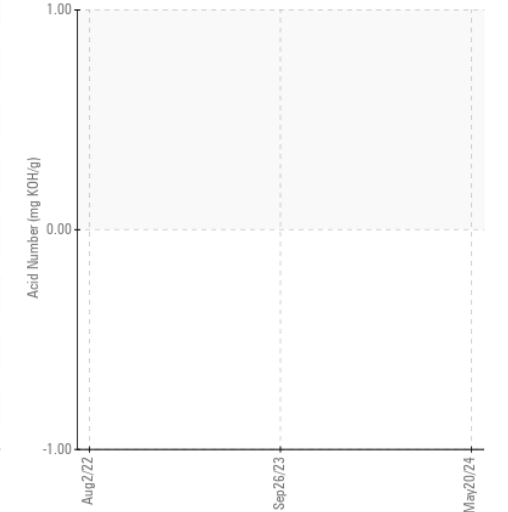
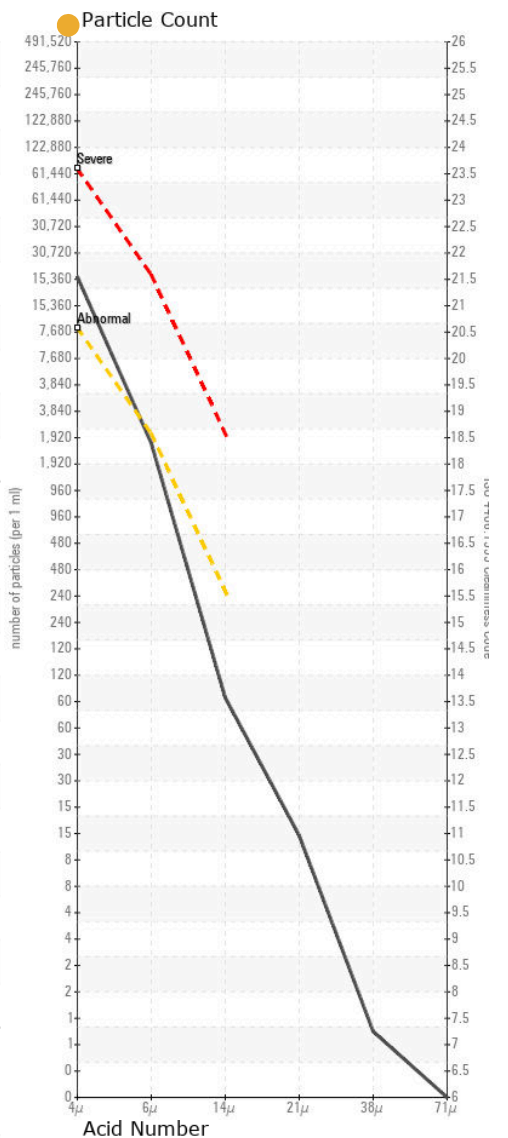
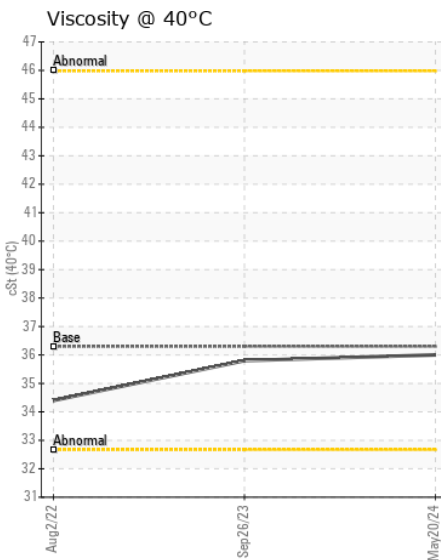
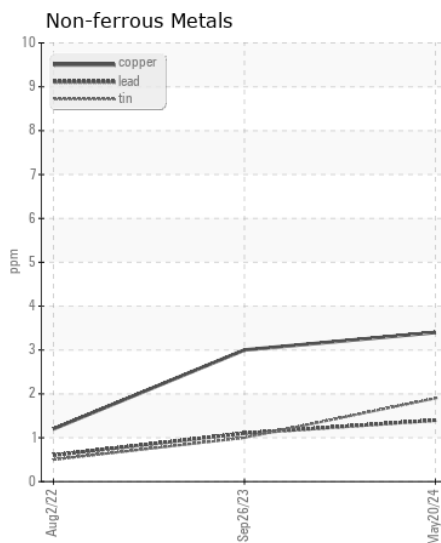
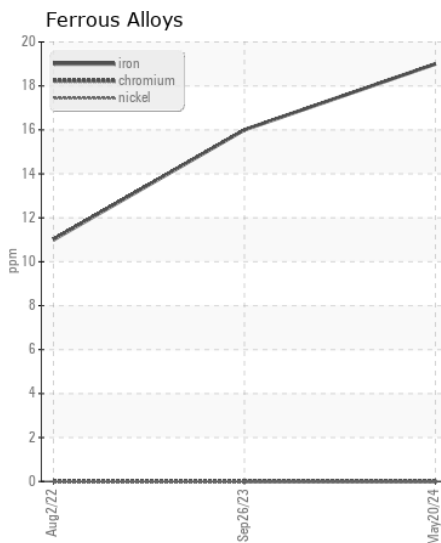
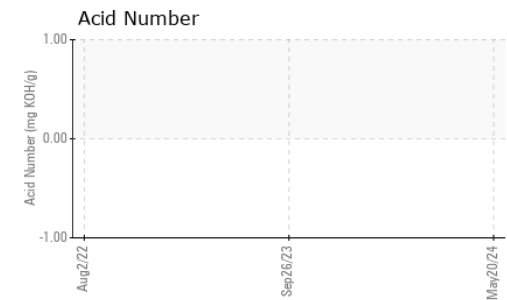
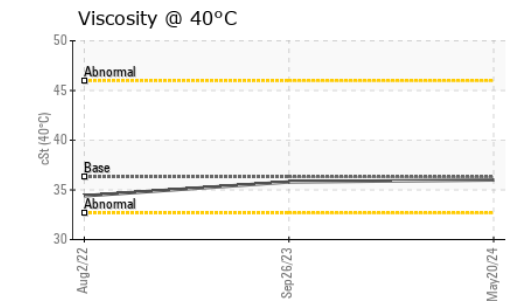
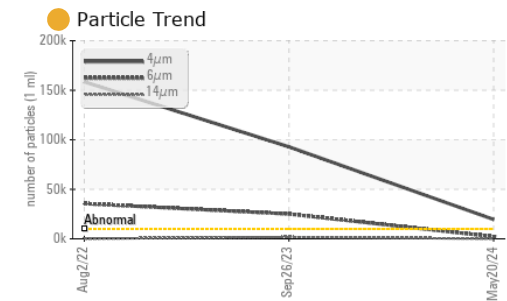
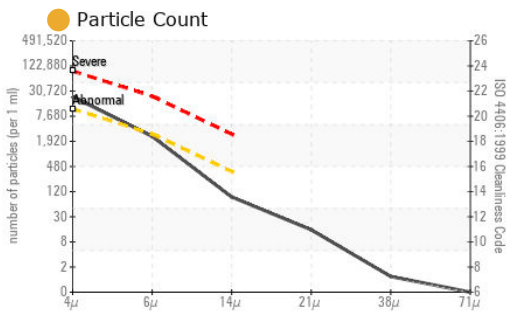
There is a moderate amount of silt (particulates < 14 microns in size) present in the fluid.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|------------|------------|
| Silicon | ppm | ASTM D5185m | >20 | 2 | 2 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 1 | 4 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >10000 | 19513 | ▲ 92870 | ▲ 158487 |
| Particles >6µm | | ASTM D7647 | >2500 | 2207 | ▲ 25079 | ▲ 35557 |
| Particles >14µm | | ASTM D7647 | >320 | 79 | ▲ 1817 | 131 |
| Particles >21µm | | ASTM D7647 | >80 | 13 | ▲ 468 | 15 |
| Particles >38µm | | ASTM D7647 | >20 | 1 | 15 | 0 |
| Particles >71µm | | ASTM D7647 | >4 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/15 | 21/18/13 | ▲ 24/22/18 | ▲ 24/22/14 |
| 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 | | 2 | 2 | 1 |
| Boron | ppm | ASTM D5185m | | 142 | 149 | 138 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Calcium | ppm | ASTM D5185m | | 86 | 73 | 64 |
| Phosphorus | ppm | ASTM D5185m | | 293 | 312 | 256 |
| Zinc | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Sulfur | ppm | ASTM D5185m | | 1217 | 1251 | 1656 |
| Visc @ 40°C | cSt | ASTM D445 | 36.3 | 36.0 | 35.8 | 34.4 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0937796 **Received** : 22 May 2024
Lab Number : 06187526 **Tested** : 24 May 2024
Unique Number : 11044278 **Diagnosed** : 24 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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)

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