



OIL ANALYSIS REPORT

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

Area
Contracting
 Machine Id
7209 7209
 Component
Front Right Hub
 Fluid
MOBIL MOBILFLUID 424 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0939398 | WC0819013 | WC0765044 |
| Sample Date | | Client Info | | 16 May 2024 | 28 Jun 2023 | 31 Jan 2023 |
| Machine Age | hrs | Client Info | | 6387 | 5888 | 5348 |
| Oil Age | hrs | Client Info | | 499 | 1288 | 748 |
| Filter Age | hrs | Client Info | | 499 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| 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 | >200 | 42 | 35 | 52 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | <1 | 2 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | | 2 | <1 | 1 |
| Lead | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Tin | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | LIGHT | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

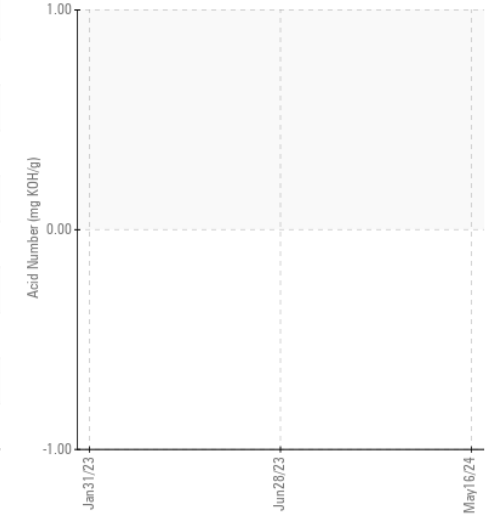
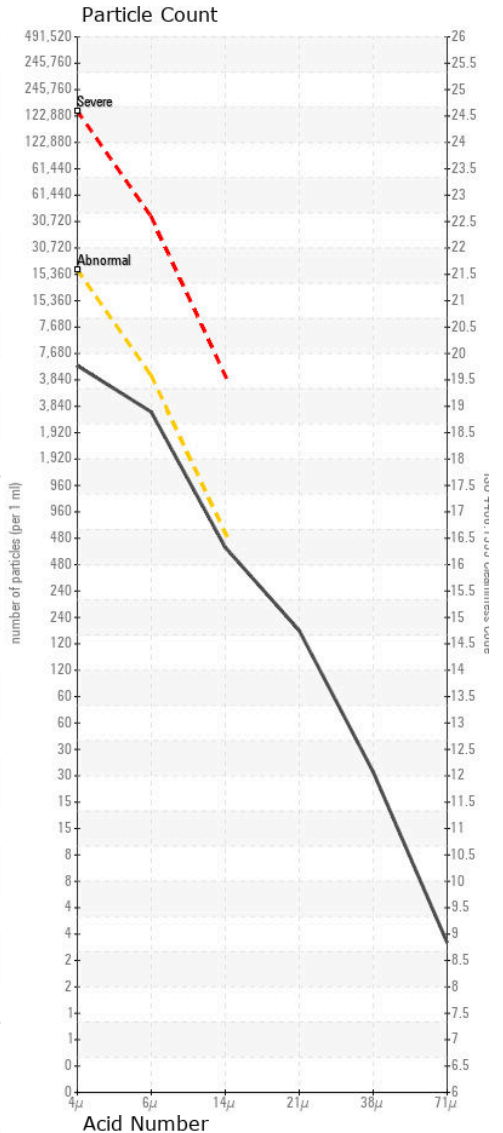
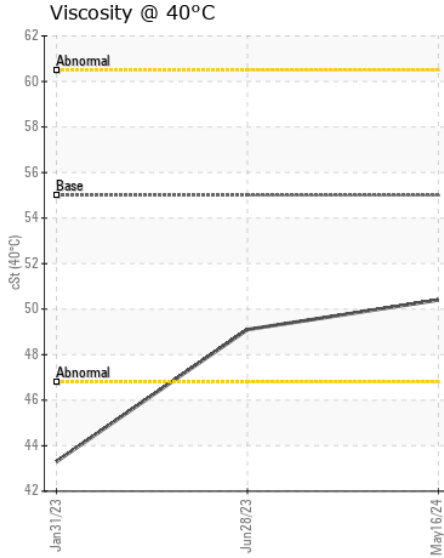
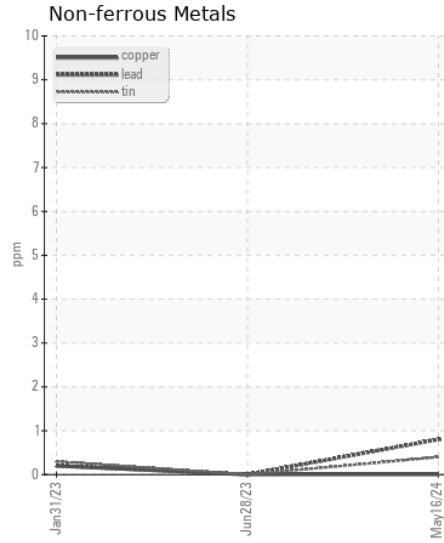
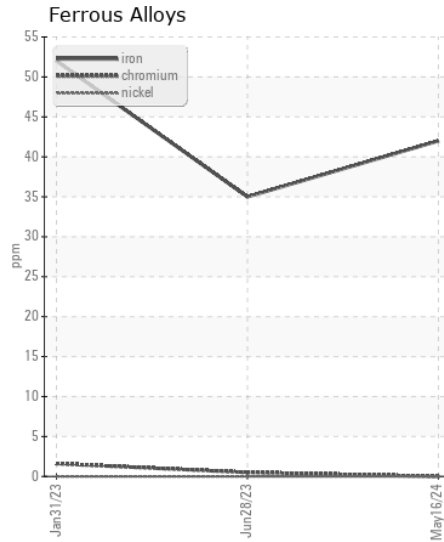
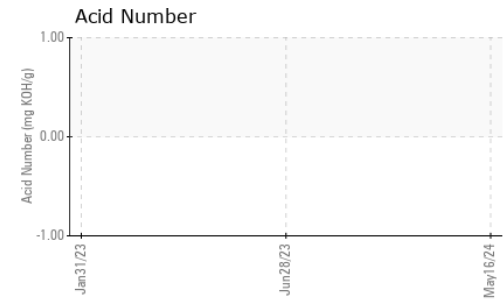
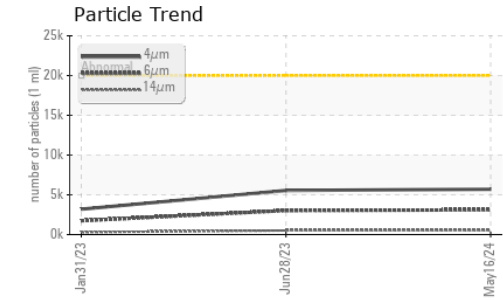
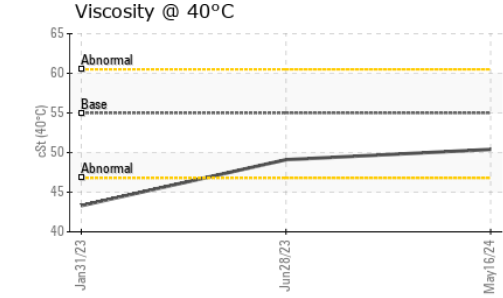
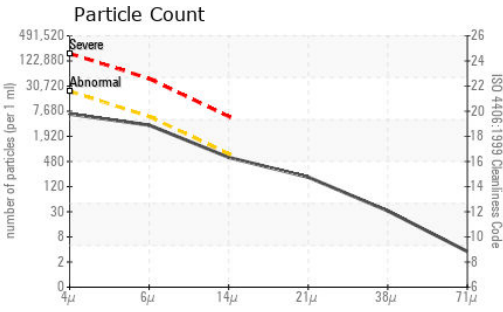
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|----------|----------|
| Silicon | ppm | ASTM D5185m | | 18 | 14 | 14 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | <1 | 0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >20000 | 5707 | 5550 | 3193 |
| Particles >6µm | | ASTM D7647 | >5000 | 3109 | 3024 | 1739 |
| Particles >14µm | | ASTM D7647 | >640 | 529 | 515 | 296 |
| Particles >21µm | | ASTM D7647 | >160 | 178 | 173 | 100 |
| Particles >38µm | | ASTM D7647 | >40 | 28 | 27 | 15 |
| Particles >71µm | | ASTM D7647 | >10 | 3 | 3 | 2 |
| Oil Cleanliness | | ISO 4406 (c) | >21/19/16 | 20/19/16 | 20/19/16 | 19/18/15 |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| 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 | | <1 | 1 | 2 |
| Boron | ppm | ASTM D5185m | | 131 | 112 | 114 |
| Barium | ppm | ASTM D5185m | | 0 | 15 | 1 |
| Molybdenum | ppm | ASTM D5185m | | 18 | 6 | 5 |
| Manganese | ppm | ASTM D5185m | | 1 | <1 | 2 |
| Magnesium | ppm | ASTM D5185m | | 53 | 62 | 47 |
| Calcium | ppm | ASTM D5185m | | 3551 | 3253 | 3298 |
| Phosphorus | ppm | ASTM D5185m | | 1162 | 1036 | 988 |
| Zinc | ppm | ASTM D5185m | | 1420 | 1350 | 1286 |
| Sulfur | ppm | ASTM D5185m | | 8680 | 8136 | 6161 |
| Visc @ 40°C | cSt | ASTM D445 | 55 | 50.4 | 49.1 | 43.3 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939398 **Received** : 21 May 2024
Lab Number : 06186003 **Tested** : 23 May 2024
Unique Number : 11042755 **Diagnosed** : 23 May 2024 - Jonathan Hester
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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