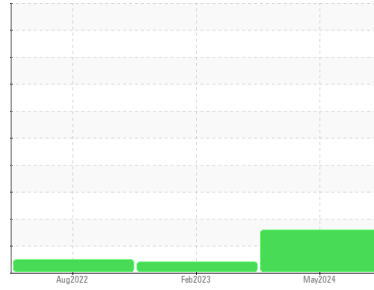




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id

LT-104

Component

Hydraulic System

Fluid

MOBIL MOBILTRANS HD 10W (--- GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water present 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 | | WC0909375 | WC0588303 | WC0588251 |
| Sample Date | Client Info | | 30 May 2024 | 21 Feb 2023 | 22 Aug 2022 |
| Machine Age | hrs | Client Info | 2390 | 1536 | 1345 |
| Oil Age | hrs | Client Info | 0 | 1536 | 1345 |
| Oil Changed | Client Info | | N/A | Not Changd | Not Changd |
| Sample Status | | | MARGINAL | ABNORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >20 | 9 | 5 | 5 |
| Chromium | ppm | ASTM D5185m >10 | <1 | <1 | 1 |
| Nickel | ppm | ASTM D5185m >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m >10 | <1 | <1 | 0 |
| Lead | ppm | ASTM D5185m >10 | <1 | 0 | 2 |
| Copper | ppm | ASTM D5185m >75 | 2 | 2 | 3 |
| Tin | ppm | ASTM D5185m >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | <1 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|-------------|----------|----------|
| Boron | ppm | ASTM D5185m | 8 | 4 | 2 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 2 | 2 |
| Manganese | ppm | ASTM D5185m | 0 | <1 | 1 |
| Magnesium | ppm | ASTM D5185m | 10 | 32 | 27 |
| Calcium | ppm | ASTM D5185m | 1242 | 1455 | 1770 |
| Phosphorus | ppm | ASTM D5185m | 823 | 747 | 929 |
| Zinc | ppm | ASTM D5185m | 950 | 992 | 1272 |
| Sulfur | ppm | ASTM D5185m | 4392 | 4806 | 5894 |

CONTAMINANTS

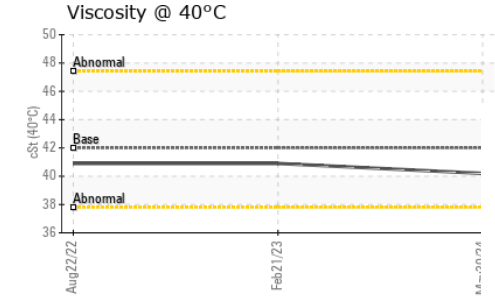
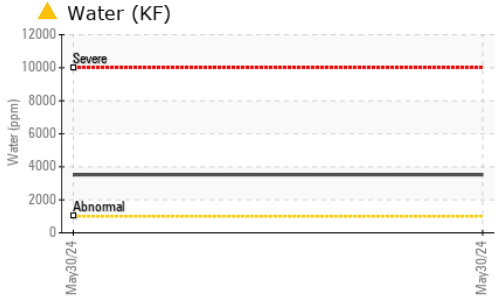
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|----------------|----------|----------|
| Silicon | ppm | ASTM D5185m >20 | 4 | 3 | 4 |
| Sodium | ppm | ASTM D5185m | 3 | 1 | 2 |
| Potassium | ppm | ASTM D5185m >20 | 9 | <1 | 1 |
| Water | % | ASTM D6304 >0.1 | ▲ 0.352 | --- | --- |
| ppm Water | ppm | ASTM D6304 >1000 | ▲ 3520 | --- | --- |

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 | ▲ 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 | ▲ 0.2% | NEG | NEG |
| Free Water | scalar | *Visual | NEG | NEG | NEG |



OIL ANALYSIS REPORT



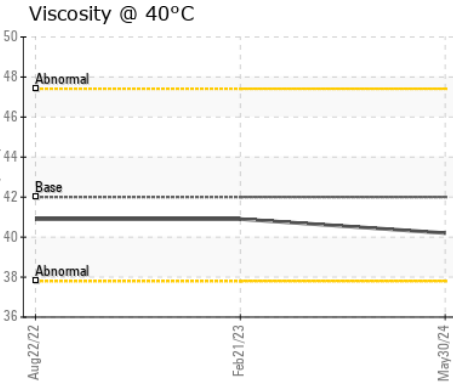
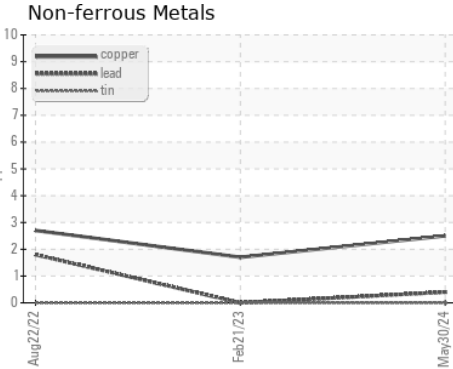
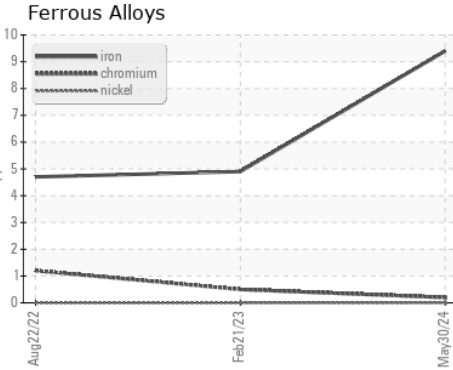
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 | | |
|-------------|------------|-----------|----------|-------------|------|------|
| Visc @ 40°C | cSt | ASTM D445 | 42 | 40.2 | 40.9 | 40.9 |

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. : WC0909375 **Received** : 15 Jul 2024
Lab Number : 06236677 **Tested** : 16 Jul 2024
Unique Number : 11125511 **Diagnosed** : 17 Jul 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: KF)

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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