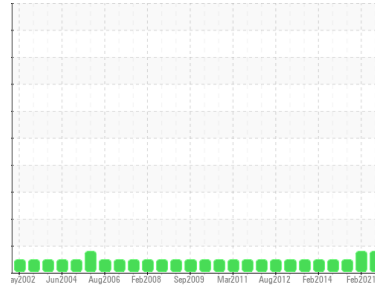




PROBLEM SUMMARY

Sample Rating Trend



SEDIMENT



Machine Id
R-600 (S/N 1-97422-1)
 Component
Agitator Gearbox
 Fluid
MOBIL MOBILGEAR 630 (3 GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS

| Sample Status | | | | ABNORMAL | ABNORMAL | NORMAL |
|---------------|--------|---------|------|----------------|----------|--------|
| Silt | scalar | *Visual | NONE | ▲ HEAVY | VLITE | NONE |

Customer Id: AVEMIL
 Sample No.: WC05905446
 Lab Number: 05905446
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

| Action | Status | Date | Done By | Description |
|---------------|--------|------|---------|---|
| Change Filter | --- | --- | ? | We recommend you service the filters on this component if applicable. |
| Alert | --- | --- | ? | We were unable to perform a particle count due to a high concentration of particles present in this sample. |

HISTORICAL DIAGNOSIS

16 Feb 2021 Diag: Angela Borella

ISO



Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



30 Jan 2019 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



06 Jan 2017 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report





OIL ANALYSIS REPORT

Sample Rating Trend

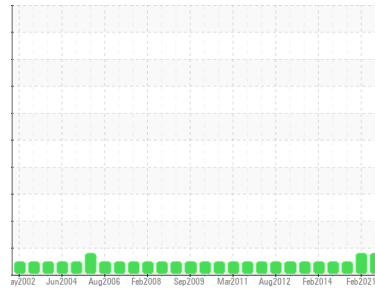
SEDIMENT



Machine Id
R-600 (S/N 1-97422-1)

Component
Agitator Gearbox

Fluid
MOBIL MOBILGEAR 630 (3 GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

There is a high amount of visible silt present in the sample.

Fluid Condition

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

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC05905446 | WC0507875 | WCI2304603 |
| Sample Date | Client Info | | 23 Jul 2023 | 16 Feb 2021 | 30 Jan 2019 |
| Machine Age | mths | Client Info | 0 | 0 | 0 |
| Oil Age | mths | Client Info | 0 | 0 | 0 |
| Oil Changed | Client Info | | N/A | N/A | N/A |
| Sample Status | | | ABNORMAL | ABNORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >150 | 54 | 30 | 27 |
| Chromium | ppm | ASTM D5185m >10 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m >10 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >25 | 0 | 0 | <1 |
| Lead | ppm | ASTM D5185m >100 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m >50 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185m >10 | 0 | 0 | 0 |
| Antimony | ppm | ASTM D5185m >5 | --- | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | <1 | <1 | <1 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 3 | 4 | 3 |
| Barium | ppm | ASTM D5185m | 4 | 2 | 2 |
| Molybdenum | ppm | ASTM D5185m | 13 | 8 | 7 |
| Manganese | ppm | ASTM D5185m | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | 0 |
| Calcium | ppm | ASTM D5185m | 1 | 1 | <1 |
| Phosphorus | ppm | ASTM D5185m | 263 | 223 | 201 |
| Zinc | ppm | ASTM D5185m | 325 | 259 | 232 |
| Sulfur | ppm | ASTM D5185m | 18816 | 12870 | 18628 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >50 | 1 | <1 | <1 |
| Sodium | ppm | ASTM D5185m | 0 | 1 | 1 |
| Potassium | ppm | ASTM D5185m >20 | 1 | 0 | 1 |

FLUID CLEANLINESS

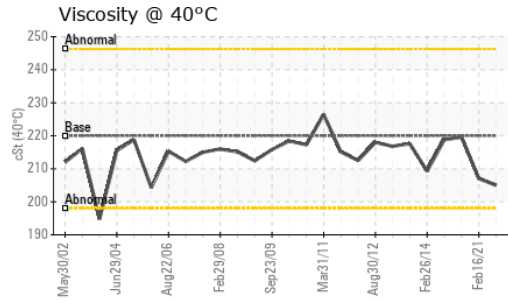
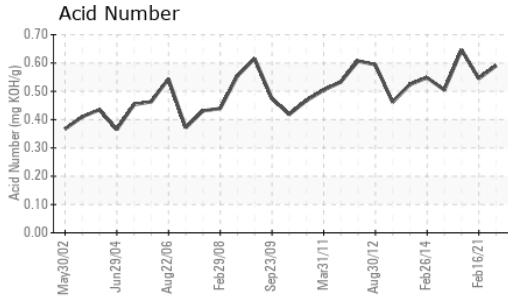
| | method | limit/base | current | history1 | history2 |
|-----------------|--------------|------------|------------|------------|----------|
| Particles >4µm | ASTM D7647 | >20000 | --- | ▲ 168551 | --- |
| Particles >6µm | ASTM D7647 | >5000 | --- | ▲ 20791 | --- |
| Particles >14µm | ASTM D7647 | >640 | --- | 299 | --- |
| Particles >21µm | ASTM D7647 | >160 | --- | 113 | --- |
| Particles >38µm | ASTM D7647 | >40 | --- | 5 | --- |
| Particles >71µm | ASTM D7647 | >10 | --- | 0 | --- |
| Oil Cleanliness | ISO 4406 (c) | >21/19/16 | --- | ▲ 25/22/15 | --- |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.59 | 0.545 | 0.646 |



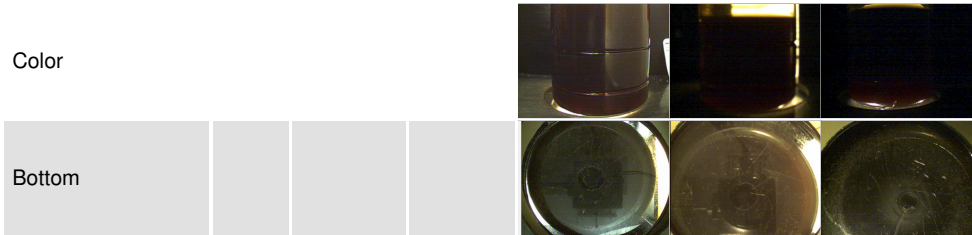
OIL ANALYSIS REPORT



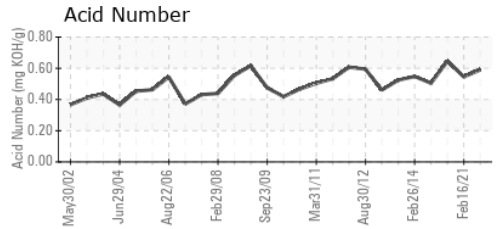
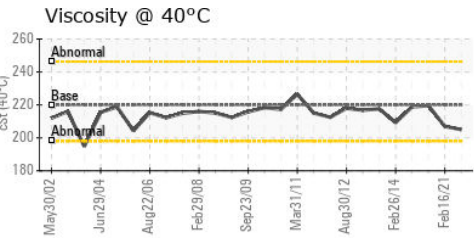
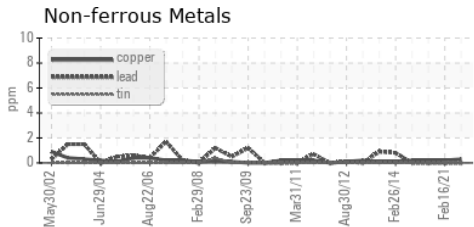
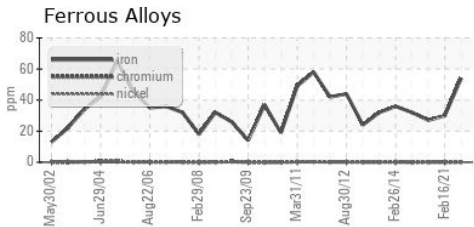
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | ▲ HEAVY | VLITE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 220 | 205 | 207 |

SAMPLE IMAGES



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC05905446 **Received** : 24 Jul 2023
Lab Number : 05905446 **Diagnosed** : 26 Jul 2023
Unique Number : 10566802 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: PrtCount)

AVERY DENNISON CHEMICAL DIVISION
 171 DRAKETOWN RD
 MILL HALL, PA
 US 17751
 Contact: DONALD EYER
 DONALD.EYER@AVERYDENNISON.COM
 T:
 F: (570)748-1813

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)