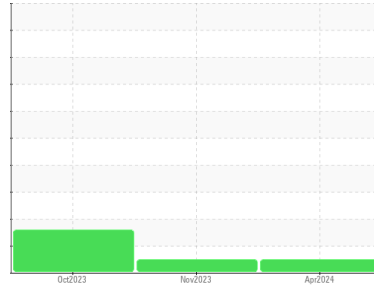




# GREASE ANALYSIS

## Sample Rating Trend



**NORMAL**



Area  
**CHEESE DEPT [1967865]**  
 Machine Id  
**VT09AG01-SEC-GREASE**  
 Component  
**Grease**  
 Fluid  
**MOBIL MOBILITH SHC 007 (2 GAL)**

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time.

#### Wear

All component wear rates are normal.

#### Grease Condition

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

#### Contaminants

There is no indication of any contamination in the grease.

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1    | history2    |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number      | Client Info |             |            | <b>WC0934870</b>   | WC0874220   | WC0874208   |
| Sample Date        | Client Info |             |            | <b>30 Apr 2024</b> | 23 Nov 2023 | 31 Oct 2023 |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | 0           | 0           |
| Grease Age         | hrs         | Client Info |            | <b>0</b>           | 0           | 0           |
| Grease Serviced    | Client Info |             |            | <b>N/A</b>         | N/A         | N/A         |
| Sample Status      |             |             |            | <b>NORMAL</b>      | NORMAL      | ABNORMAL    |

| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| PQ          |     | ASTM D8184  | >200       | <b>24</b>    | 17       | 8        |
| Iron        | ppm | ASTM D5185m | >250       | <b>1</b>     | 11       | 4        |
| Chromium    | ppm | ASTM D5185m | >10        | <b>0</b>     | <1       | 0        |
| Nickel      | ppm | ASTM D5185m | >5         | <b>&lt;1</b> | <1       | 1        |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>     | <1       | 0        |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>     | 8        | 0        |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>     | <1       | 0        |
| Lead        | ppm | ASTM D5185m | >25        | <b>&lt;1</b> | 0        | 0        |
| Copper      | ppm | ASTM D5185m | >75        | <b>&lt;1</b> | 12       | <1       |
| Tin         | ppm | ASTM D5185m | >5         | <b>0</b>     | 0        | 0        |
| Silver      | ppm | ASTM D5185m | >5         | <b>0</b>     | <1       | <1       |

| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m | 1          | <b>255</b>   | 294      | 215      |
| Magnesium  | ppm | ASTM D5185m | 0          | <b>&lt;1</b> | 2        | <1       |
| Manganese  | ppm | ASTM D5185m | 0          | <b>0</b>     | <1       | 0        |
| Molybdenum | ppm | ASTM D5185m | 4          | <b>50</b>    | 9        | <1       |
| Phosphorus | ppm | ASTM D5185m | 180        | <b>2046</b>  | 2446     | 1651     |
| Zinc       | ppm | ASTM D5185m | 140        | <b>3083</b>  | 3522     | 2527     |

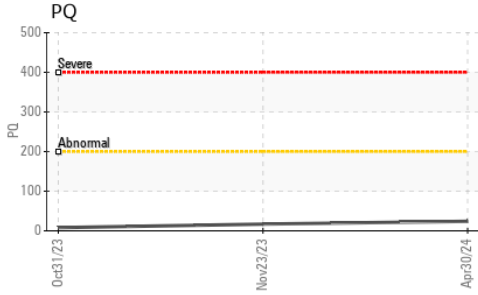
| THICKENER/SOAP |     | method      | limit/base | current      | history1 | history2 |
|----------------|-----|-------------|------------|--------------|----------|----------|
| Aluminum       | ppm | ASTM D5185m | 0          | <b>0</b>     | 18       | 0        |
| Barium         | ppm | ASTM D5185m | 0          | <b>&lt;1</b> | <1       | <1       |
| Calcium        | ppm | ASTM D5185m | 3          | <b>11</b>    | 85       | 2        |
| Sodium         | ppm | ASTM D5185m | 12         | <b>13</b>    | 24       | 16       |
| Lithium        | ppm | ASTM D5185m |            | <b>1545</b>  | 1476     | 1142     |
| Sulfur         | ppm | ASTM D5185m | 650        | <b>7665</b>  | 8578     | 6299     |

| CONTAMINANTS |     | method      | limit/base | current    | history1 | history2 |
|--------------|-----|-------------|------------|------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >150       | <b>5</b>   | 92       | ▲ 262    |
| Potassium    | ppm | ASTM D5185m |            | <b>5</b>   | 7        | 8        |
| Water        | %   | ASTM D6304  | >0.1       | <b>NEG</b> | NEG      | NEG      |

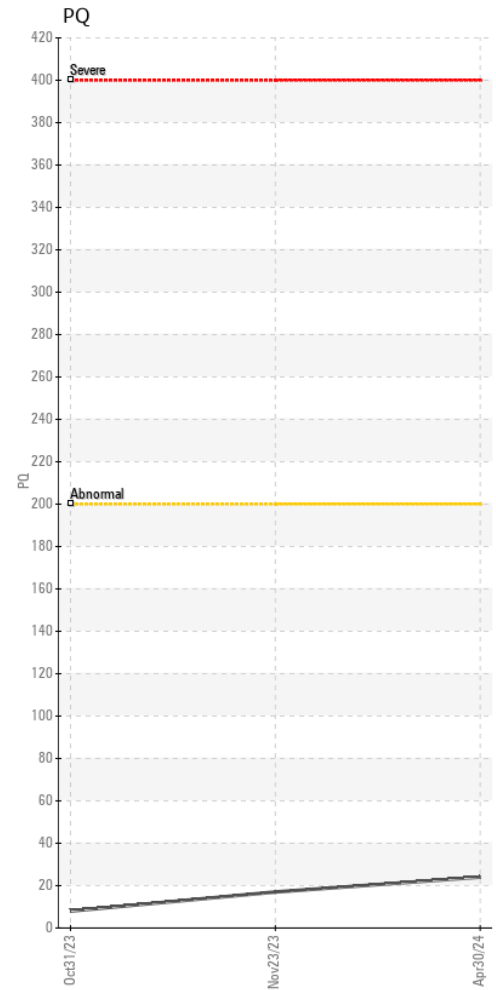
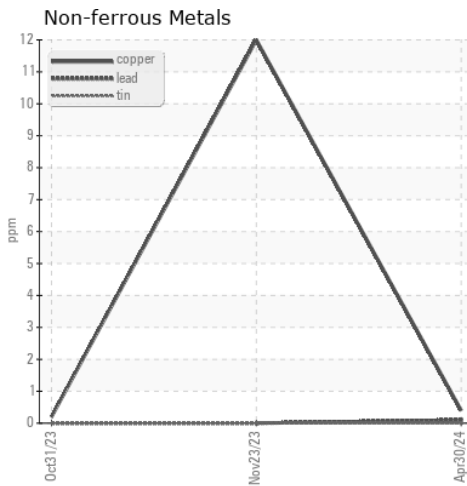
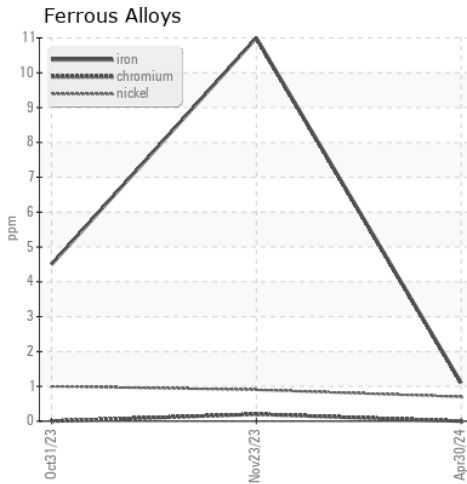
| SAMPLE IMAGES |  | method | limit/base | current | history1 | history2 |
|---------------|--|--------|------------|---------|----------|----------|
|---------------|--|--------|------------|---------|----------|----------|

|        |  |  |  |          |  |  |
|--------|--|--|--|----------|--|--|
| Color  |  |  |  | no image |  |  |
| Bottom |  |  |  | no image |  |  |

# GREASE ANALYSIS



## GRAPHS



Certificate L2367

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)

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0934870      **Received** : 17 Jun 2024  
**Lab Number** : 06213057      **Tested** : 21 Jun 2024  
**Unique Number** : 11085921      **Diagnosed** : 21 Jun 2024 - Doug Bogart  
**Test Package** : IND 1 ( Additional Tests: KF, PQ )

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