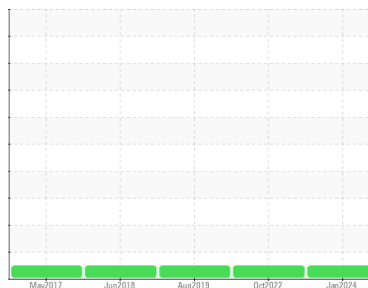




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[317405]**  
 Machine Id  
**SE111 T4 CAPPER**

Component  
**Gearbox**  
 Fluid  
**MOBIL MOBILGEAR 600 XP ISO 68 (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

Confirm oil type. The condition of the oil is acceptable for the time in service.

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1    | history2    |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number      | Client Info |             |            | <b>BRI009671</b>   | BRI006726   | BRI004548   |
| Sample Date        | Client Info |             |            | <b>26 Jan 2024</b> | 10 Oct 2022 | 04 Aug 2019 |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | 0           | 0           |
| Oil Age            | hrs         | Client Info |            | <b>0</b>           | 0           | 0           |
| Oil Changed        | Client Info |             |            | <b>N/A</b>         | N/A         | N/A         |
| Sample Status      |             |             |            | <b>NORMAL</b>      | NORMAL      | NORMAL      |

| CONTAMINATION |           | method | limit/base | current    | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water         | WC Method |        | >0.2       | <b>NEG</b> | NEG      | NEG      |

| WEAR METALS |     | method      | limit/base | current    | history1 | history2 |
|-------------|-----|-------------|------------|------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >200       | <b>33</b>  | 28       | 23       |
| Chromium    | ppm | ASTM D5185m | >15        | <b>0</b>   | <1       | <1       |
| Nickel      | ppm | ASTM D5185m | >15        | <b>0</b>   | 0        | 0        |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>   | <1       | 0        |
| Silver      | ppm | ASTM D5185m |            | <b>0</b>   | 0        | 0        |
| Aluminum    | ppm | ASTM D5185m | >25        | <b>0</b>   | <1       | 0        |
| Lead        | ppm | ASTM D5185m | >100       | <b>0</b>   | 0        | 0        |
| Copper      | ppm | ASTM D5185m | >200       | <b>0</b>   | <1       | <1       |
| Tin         | ppm | ASTM D5185m | >25        | <b>0</b>   | 0        | 0        |
| Antimony    | ppm | ASTM D5185m | >5         | <b>---</b> | ---      | 0        |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>   | <1       | 0        |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>   | 0        | <1       |

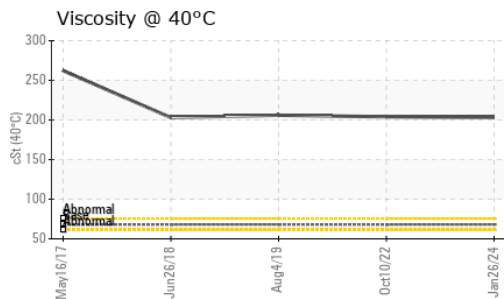
| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m |            | <b>&lt;1</b> | 0        | <1       |
| Barium     | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Molybdenum | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |
| Manganese  | ppm | ASTM D5185m |            | <b>&lt;1</b> | 2        | <1       |
| Magnesium  | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |
| Calcium    | ppm | ASTM D5185m |            | <b>6</b>     | 0        | 8        |
| Phosphorus | ppm | ASTM D5185m |            | <b>249</b>   | 305      | 262      |
| Zinc       | ppm | ASTM D5185m |            | <b>19</b>    | 14       | 16       |
| Sulfur     | ppm | ASTM D5185m |            | <b>10424</b> | 13499    | 9735     |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >50        | <b>&lt;1</b> | 2        | 1        |
| Sodium       | ppm | ASTM D5185m |            | <b>&lt;1</b> | 0        | 1        |
| Potassium    | ppm | ASTM D5185m | >20        | <b>0</b>     | 0        | 0        |

| VISUAL           |        | method  | limit/base | current      | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal      | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Precipitate      | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Silt             | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Debris           | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Sand/Dirt        | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | NONE     |
| Appearance       | scalar | *Visual | NORML      | <b>NORML</b> | NORML    | NORML    |
| Odor             | scalar | *Visual | NORML      | <b>NORML</b> | NORML    | NORML    |
| Emulsified Water | scalar | *Visual | >0.2       | <b>NEG</b>   | NEG      | NEG      |
| Free Water       | scalar | *Visual |            | <b>NEG</b>   | NEG      | NEG      |



# OIL ANALYSIS REPORT

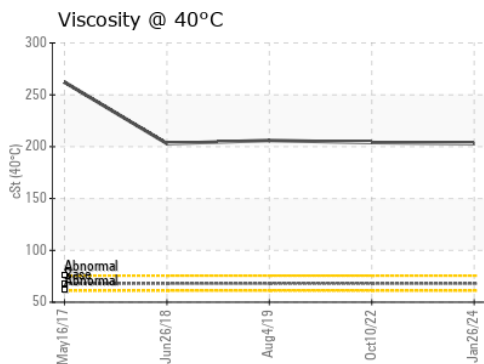
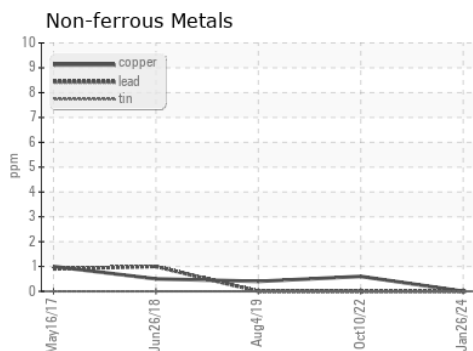
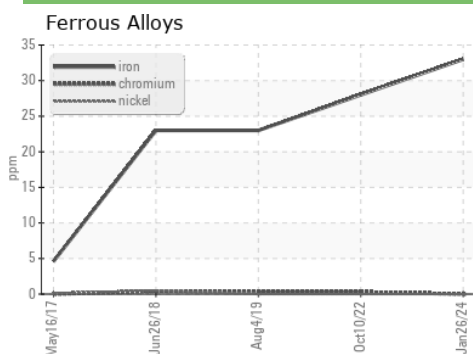


| FLUID PROPERTIES | method | limit/base   | current    | history1 | history2 |
|------------------|--------|--------------|------------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445 68 | <b>203</b> | 204      | 206      |

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

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : BRI009671 **Received** : 30 Jan 2024  
**Lab Number** : **06075233** **Diagnosed** : 01 Feb 2024  
**Unique Number** : 10857324 **Diagnostician** : Don Baldrige  
**Test Package** : IND 1

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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