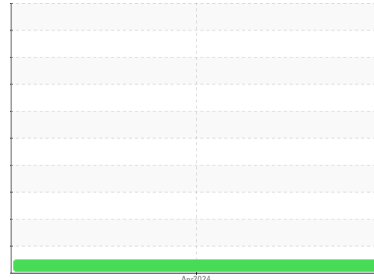


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**F1 WEST MIXER**

Component  
**Gearbox**

Fluid  
**MOBIL MOBILGEAR 600 XP ISO100 (--- 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**

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>TO60002435</b>  | ---      | --- |
| Sample Date   | Client Info | <b>23 Apr 2024</b> | ---      | --- |
| Machine Age   | hrs         | Client Info        | <b>0</b> | --- |
| Oil Age       | hrs         | Client Info        | <b>0</b> | --- |
| Oil Changed   | Client Info | <b>N/A</b>         | ---      | --- |
| Sample Status |             | <b>NORMAL</b>      | ---      | --- |

**CONTAMINATION** method limit/base current history1 history2

|       |           |      |            |     |     |
|-------|-----------|------|------------|-----|-----|
| Water | WC Method | >0.2 | <b>NEG</b> | --- | --- |
|-------|-----------|------|------------|-----|-----|

**WEAR METALS** method limit/base current history1 history2

|          |     |             |      |              |     |     |
|----------|-----|-------------|------|--------------|-----|-----|
| PQ       |     | ASTM D8184  |      | <b>18</b>    | --- | --- |
| Iron     | ppm | ASTM D5185m | >200 | <b>24</b>    | --- | --- |
| Chromium | ppm | ASTM D5185m | >15  | <b>&lt;1</b> | --- | --- |
| Nickel   | ppm | ASTM D5185m | >15  | <b>&lt;1</b> | --- | --- |
| Titanium | ppm | ASTM D5185m |      | <b>&lt;1</b> | --- | --- |
| Silver   | ppm | ASTM D5185m |      | <b>0</b>     | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25  | <b>2</b>     | --- | --- |
| Lead     | ppm | ASTM D5185m | >100 | <b>7</b>     | --- | --- |
| Copper   | ppm | ASTM D5185m | >200 | <b>5</b>     | --- | --- |
| Tin      | ppm | ASTM D5185m | >25  | <b>&lt;1</b> | --- | --- |
| Vanadium | ppm | ASTM D5185m |      | <b>&lt;1</b> | --- | --- |
| Cadmium  | ppm | ASTM D5185m |      | <b>&lt;1</b> | --- | --- |

**ADDITIVES** method limit/base current history1 history2

|            |     |             |  |              |     |     |
|------------|-----|-------------|--|--------------|-----|-----|
| Boron      | ppm | ASTM D5185m |  | <b>12</b>    | --- | --- |
| Barium     | ppm | ASTM D5185m |  | <b>0</b>     | --- | --- |
| Molybdenum | ppm | ASTM D5185m |  | <b>&lt;1</b> | --- | --- |
| Manganese  | ppm | ASTM D5185m |  | <b>&lt;1</b> | --- | --- |
| Magnesium  | ppm | ASTM D5185m |  | <b>5</b>     | --- | --- |
| Calcium    | ppm | ASTM D5185m |  | <b>12</b>    | --- | --- |
| Phosphorus | ppm | ASTM D5185m |  | <b>297</b>   | --- | --- |
| Zinc       | ppm | ASTM D5185m |  | <b>22</b>    | --- | --- |
| Sulfur     | ppm | ASTM D5185m |  | <b>6576</b>  | --- | --- |

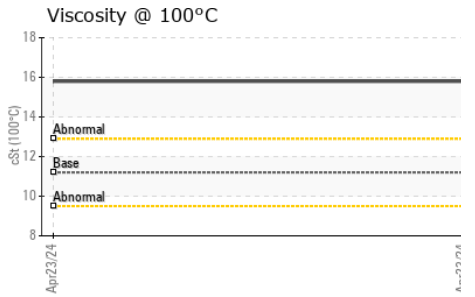
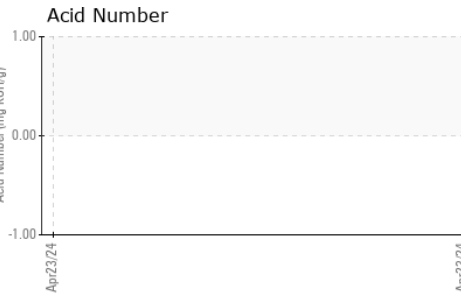
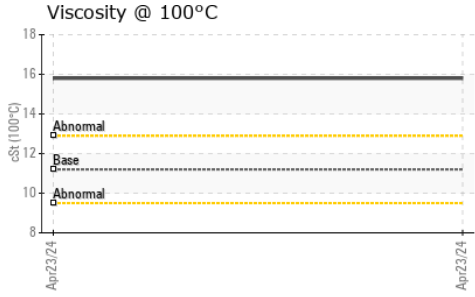
**CONTAMINANTS** method limit/base current history1 history2

|           |     |             |     |           |     |     |
|-----------|-----|-------------|-----|-----------|-----|-----|
| Silicon   | ppm | ASTM D5185m | >50 | <b>2</b>  | --- | --- |
| Sodium    | ppm | ASTM D5185m |     | <b>2</b>  | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | <b>16</b> | --- | --- |



**VISUAL** method limit/base current history1 history2

|                  |        |         |       |              |     |     |
|------------------|--------|---------|-------|--------------|-----|-----|
| White Metal      | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Yellow Metal     | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Precipitate      | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Silt             | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Debris           | scalar | *Visual | NONE  | <b>LIGHT</b> | --- | --- |
| Sand/Dirt        | scalar | *Visual | NONE  | <b>NONE</b>  | --- | --- |
| Appearance       | scalar | *Visual | NORML | <b>NORML</b> | --- | --- |
| Odor             | scalar | *Visual | NORML | <b>NORML</b> | --- | --- |
| Emulsified Water | scalar | *Visual | >0.2  | <b>NEG</b>   | --- | --- |
| Free Water       | scalar | *Visual |       | <b>NEG</b>   | --- | --- |

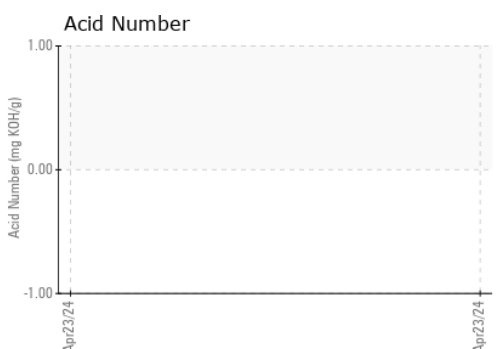
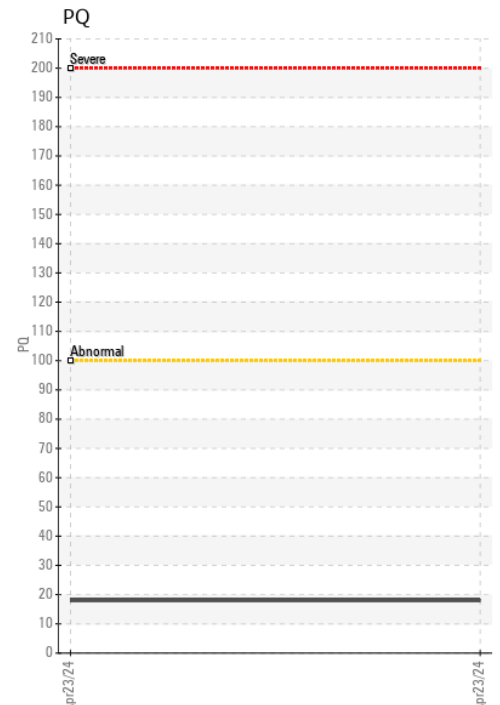
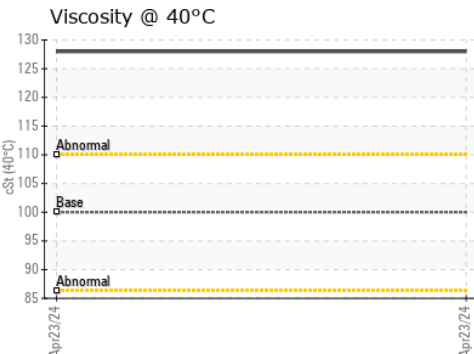
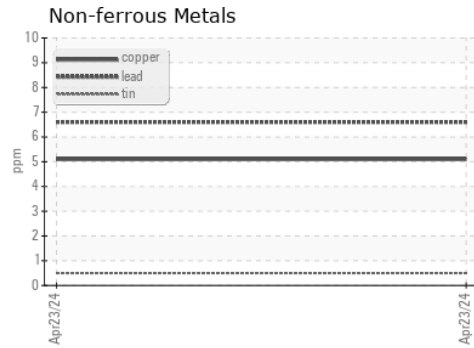
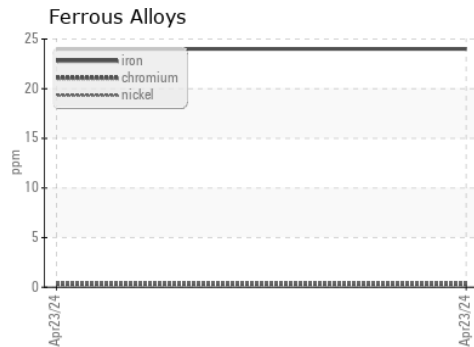
# OIL ANALYSIS REPORT



| FLUID PROPERTIES     | method | limit/base | current | history1    | history2 |     |
|----------------------|--------|------------|---------|-------------|----------|-----|
| Visc @ 40°C          | cSt    | ASTM D445  | 100     | <b>128</b>  | ---      | --- |
| Visc @ 100°C         | cSt    | ASTM D445  | 11.2    | <b>15.8</b> | ---      | --- |
| Viscosity Index (VI) | Scale  | ASTM D2270 | 97      | <b>130</b>  | ---      | --- |

| SAMPLE IMAGES | method | limit/base | current   | history1 | history2 |
|---------------|--------|------------|---|----------|----------|
| Color         |        |            |  | no image | no image |
| Bottom        |        |            |  | no image | no image |

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60002435      **Received** : 23 Apr 2024  
**Lab Number** : **06158563**      **Tested** : 25 Apr 2024  
**Unique Number** : 10993986      **Diagnosed** : 25 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KV100, PQ, VI )

**PILKINGTON**  
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 LAURINBERG, NC  
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 T: (910)277-2197  
 F:

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)