



OIL ANALYSIS REPORT

|                 |        |
|-----------------|--------|
| WEAR            | NORMAL |
| CONTAMINATION   | SEVERE |
| FLUID CONDITION | NORMAL |

Machine Id  
**MATTEI 10026090-2022**  
 Component  
**Compressor**  
 Fluid  
**ROTOROIL 8000F2 (--- QTS)**

**RECOMMENDATION**

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

**WEAR**

All component wear rates are normal.

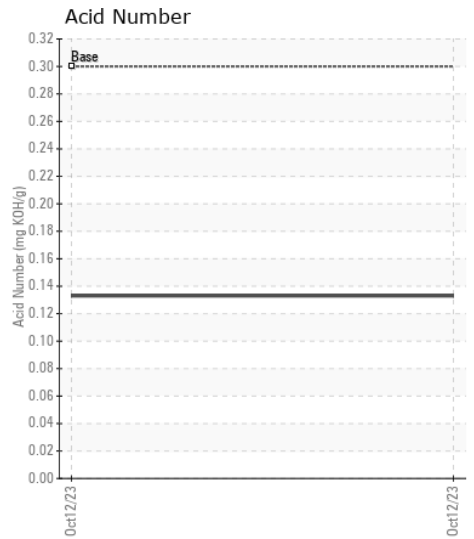
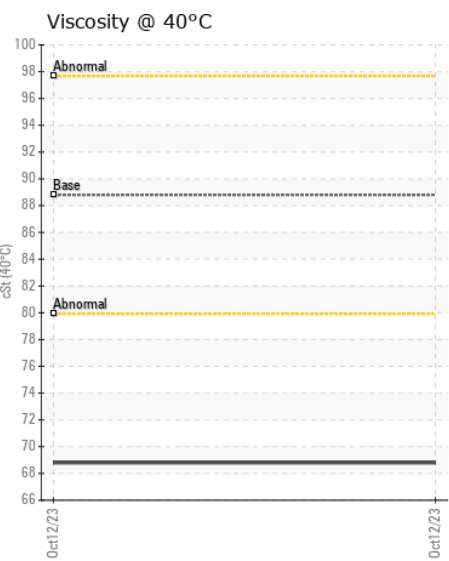
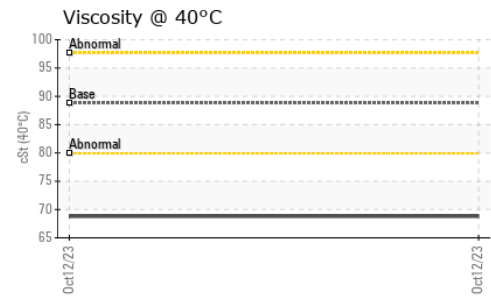
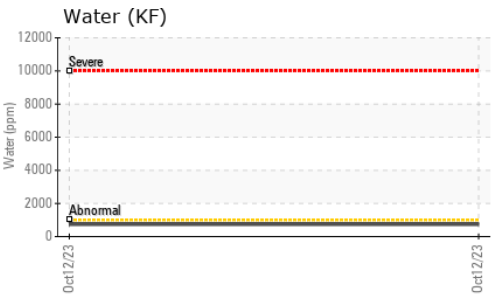
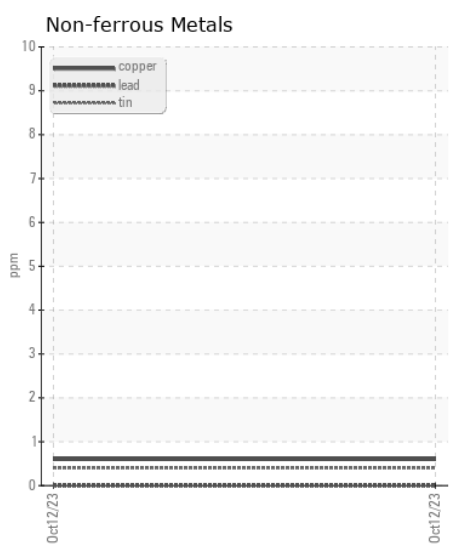
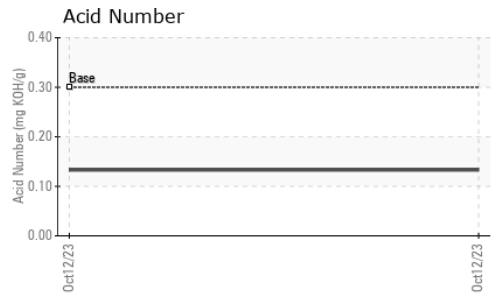
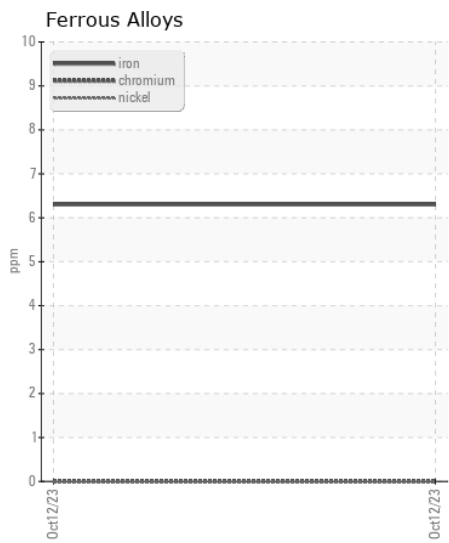
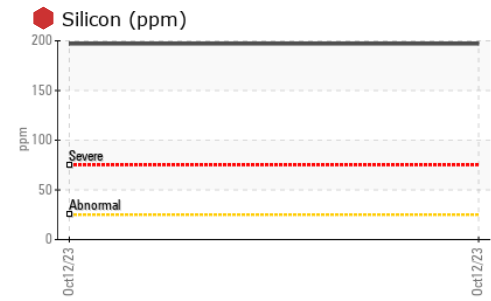
**CONTAMINATION**

Elemental level of silicon (Si) above normal.

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| Test             | UOM      | Method      | Limit/Abn | Current            | History1 | History2 |
|------------------|----------|-------------|-----------|--------------------|----------|----------|
| Sample Number    |          | Client Info |           | <b>AN25308</b>     | ---      | ---      |
| Sample Date      |          | Client Info |           | <b>12 Oct 2023</b> | ---      | ---      |
| Machine Age      | hrs      | Client Info |           | <b>420</b>         | ---      | ---      |
| Oil Age          | hrs      | Client Info |           | <b>0</b>           | ---      | ---      |
| Filter Age       | hrs      | Client Info |           | <b>0</b>           | ---      | ---      |
| Oil Changed      |          | Client Info |           | <b>Changed</b>     | ---      | ---      |
| Filter Changed   |          | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Sample Status    |          |             |           | <b>SEVERE</b>      | ---      | ---      |
| Iron             | ppm      | ASTM D5185m | >50       | <b>6</b>           | ---      | ---      |
| Chromium         | ppm      | ASTM D5185m | >10       | <b>0</b>           | ---      | ---      |
| Nickel           | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Titanium         | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Silver           | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Aluminum         | ppm      | ASTM D5185m | >25       | <b>3</b>           | ---      | ---      |
| Lead             | ppm      | ASTM D5185m | >25       | <b>0</b>           | ---      | ---      |
| Copper           | ppm      | ASTM D5185m | >50       | <b>&lt;1</b>       | ---      | ---      |
| Tin              | ppm      | ASTM D5185m | >15       | <b>&lt;1</b>       | ---      | ---      |
| Vanadium         | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| White Metal      | scalar   | *Visual     | NONE      | <b>NONE</b>        | ---      | ---      |
| Yellow Metal     | scalar   | *Visual     | NONE      | <b>NONE</b>        | ---      | ---      |
| Silicon          | ppm      | ASTM D5185m | >25       | <b>197</b>         | ---      | ---      |
| Potassium        | ppm      | ASTM D5185m | >20       | <b>&lt;1</b>       | ---      | ---      |
| Water            | %        | ASTM D6304  | >0.1      | <b>0.073</b>       | ---      | ---      |
| ppm Water        | ppm      | ASTM D6304  | >1000     | <b>739.7</b>       | ---      | ---      |
| Silt             | scalar   | *Visual     | NONE      | <b>NONE</b>        | ---      | ---      |
| Debris           | scalar   | *Visual     | NONE      | <b>NONE</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     | >0.1      | <b>NEG</b>         | ---      | ---      |
| Sodium           | ppm      | ASTM D5185m |           | <b>2</b>           | ---      | ---      |
| Boron            | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Barium           | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Molybdenum       | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Manganese        | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Magnesium        | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Calcium          | ppm      | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Phosphorus       | ppm      | ASTM D5185m |           | <b>882</b>         | ---      | ---      |
| Zinc             | ppm      | ASTM D5185m |           | <b>2</b>           | ---      | ---      |
| Sulfur           | ppm      | ASTM D5185m |           | <b>69</b>          | ---      | ---      |
| Acid Number (AN) | mg KOH/g | ASTM D8045  | 0.3       | <b>0.133</b>       | ---      | ---      |
| Visc @ 40°C      | cSt      | ASTM D445   | 88.8      | <b>68.8</b>        | ---      | ---      |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : AN25308  
**Lab Number** : 05992958  
**Unique Number** : 10715620  
**Test Package** : IND 2  
**Received** : 30 Oct 2023  
**Tested** : 02 Nov 2023  
**Diagnosed** : 02 Nov 2023 - Jonathan Hester

**MATTEI COMPRESSORS--OEM**  
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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)