



OIL ANALYSIS REPORT

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

Machine Id
MATTEI 010
 Component
Compressor
 Fluid
F2 (1 GAL)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

The copper level is severe.

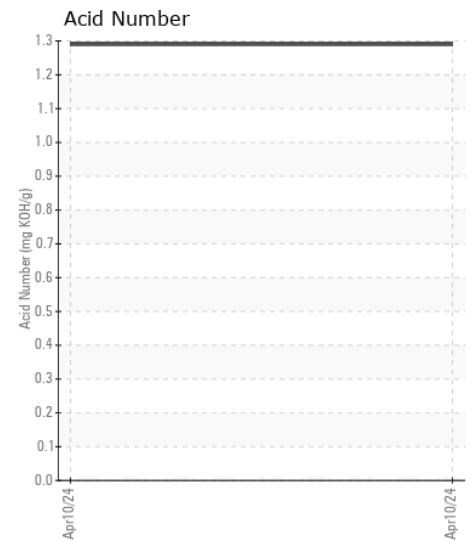
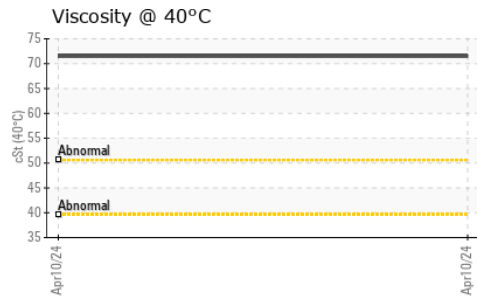
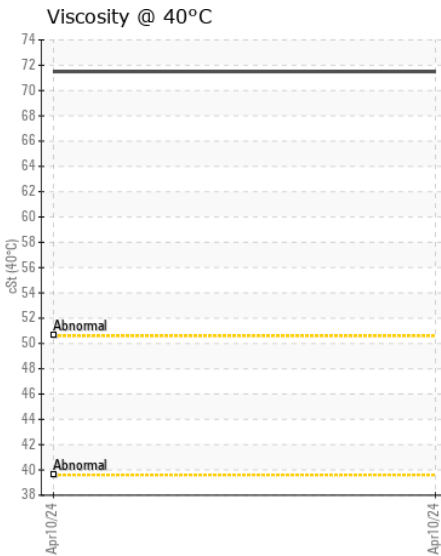
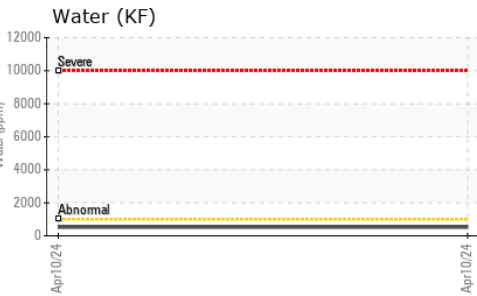
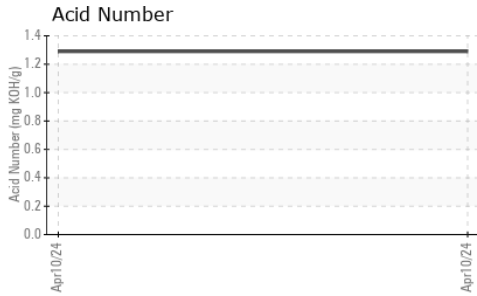
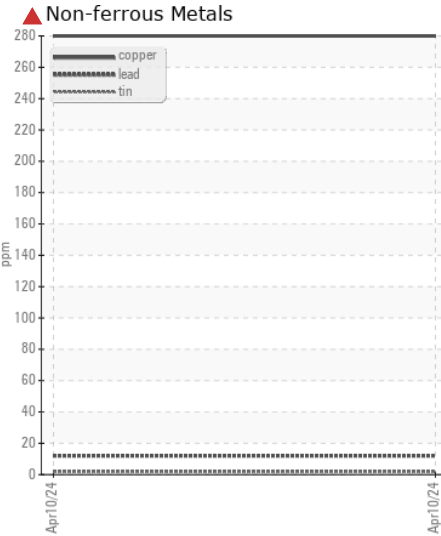
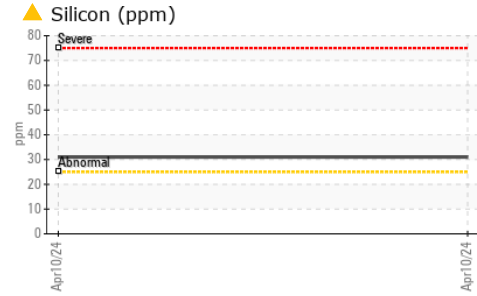
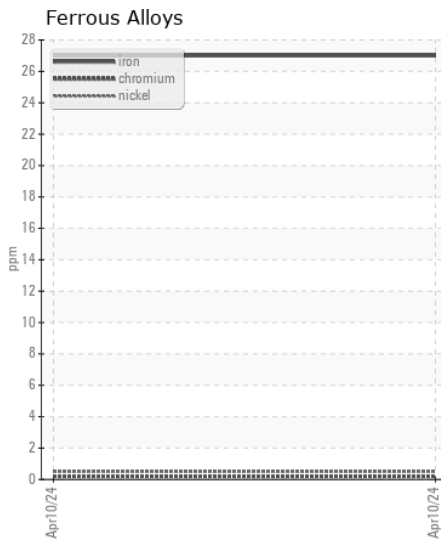
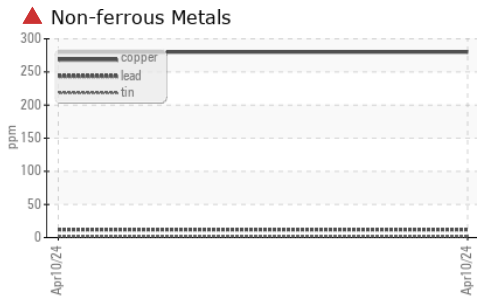
CONTAMINATION

Elemental level of silicon (Si) above normal. The water content is negligible.

FLUID CONDITION

The AN level is acceptable for this fluid.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|----------|-------------|-----------|--------------------|----------|----------|
| Sample Number | | Client Info | | AN37238 | --- | --- |
| Sample Date | | Client Info | | 10 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 0 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | SEVERE | --- | --- |
| Iron | ppm | ASTM D5185m | >50 | 27 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | --- | --- |
| Lead | ppm | ASTM D5185m | >25 | 12 | --- | --- |
| Copper | ppm | ASTM D5185m | >50 | ▲ 280 | --- | --- |
| Tin | ppm | ASTM D5185m | >15 | 2 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185m | >25 | ▲ 31 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 5 | --- | --- |
| Water | % | ASTM D6304 | >0.1 | 0.052 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >1000 | 525 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | --- | --- |
| Sodium | ppm | ASTM D5185m | | 45 | --- | --- |
| Boron | ppm | ASTM D5185m | | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 7 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 6 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 913 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 608 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 0 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 1.29 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 71.5 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : AN37238

Lab Number : 06154496

Unique Number : 10989919

Test Package : IND 2

Received : 19 Apr 2024

Tested : 24 Apr 2024

Diagnosed : 24 Apr 2024 - Jonathan Hester

MATTEI COMPRESSORS--OEM

9635 LIBERTY ROAD, SUITE E

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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)