



# OIL ANALYSIS REPORT

|                 |               |
|-----------------|---------------|
| WEAR            | <b>NORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b> |
| FLUID CONDITION | <b>NORMAL</b> |

Area  
**JRE SHADE**  
Machine Id  
**VILTER 1322**  
Component  
**Compressor**  
Fluid  
**ALL STOKE (115 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>WC0929815</b>   | WC0929819   | WC0824904   |
| Sample Date    |     | Client Info |           | <b>09 May 2024</b> | 09 May 2024 | 12 Jun 2023 |
| Machine Age    | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Age        | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| Sample Status  |     |             |           | <b>NORMAL</b>      | ABNORMAL    | NORMAL      |

## WEAR

All component wear rates are normal.

|              |        |             |      |             |      |      |
|--------------|--------|-------------|------|-------------|------|------|
| Iron         | ppm    | ASTM D5185m | >50  | <b>0</b>    | 0    | 0    |
| Chromium     | ppm    | ASTM D5185m | >5   | <b>0</b>    | 0    | 0    |
| Nickel       | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >15  | <b>0</b>    | 0    | 0    |
| Lead         | ppm    | ASTM D5185m | >65  | <b>0</b>    | 0    | 0    |
| Copper       | ppm    | ASTM D5185m | >65  | <b>0</b>    | 0    | 0    |
| Tin          | ppm    | ASTM D5185m | >10  | <b>0</b>    | <1   | <1   |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b> | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b> | NONE | NONE |

## CONTAMINATION

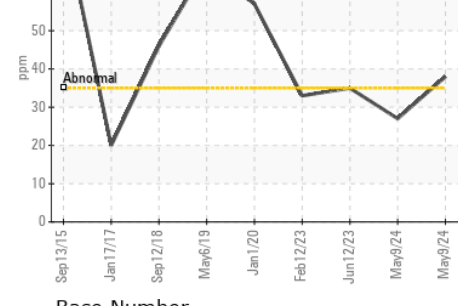
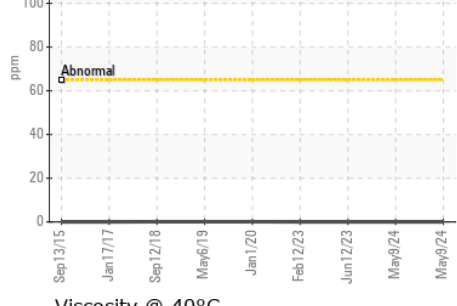
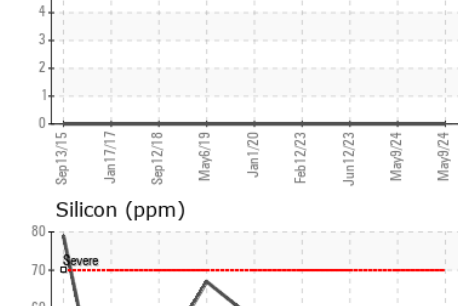
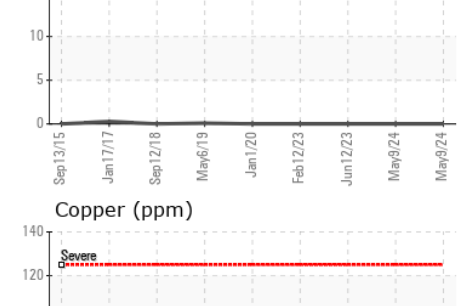
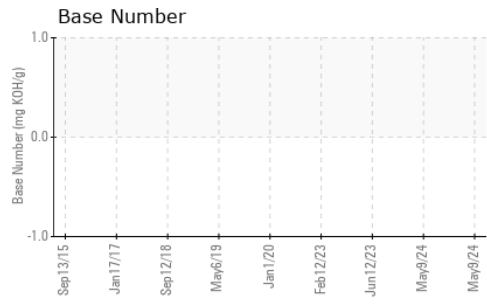
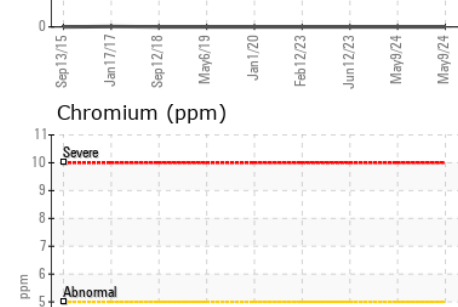
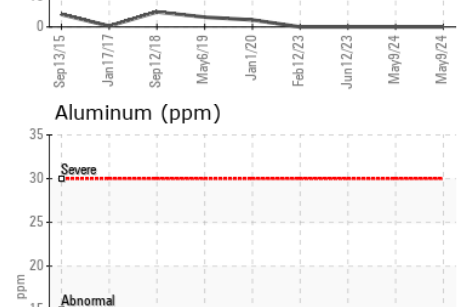
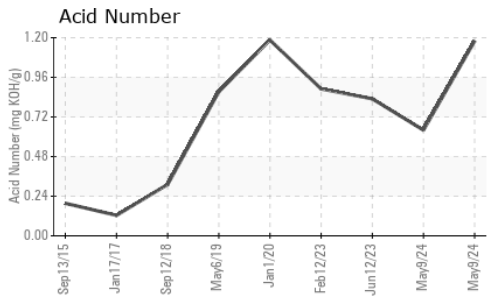
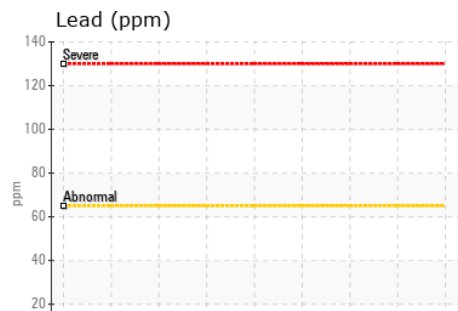
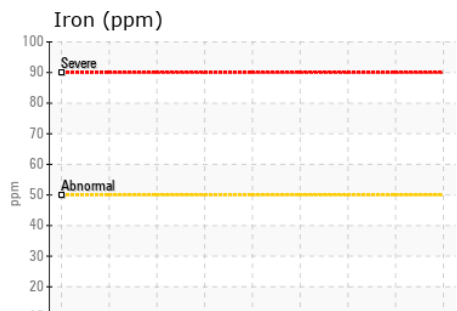
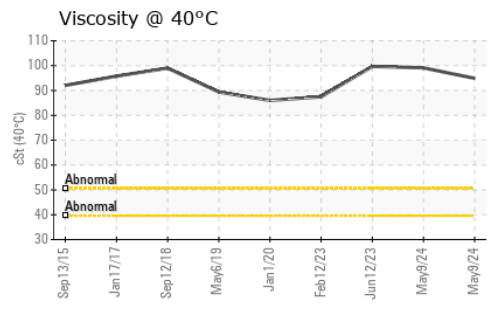
There is no indication of any contamination in the oil.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >35   | <b>27</b>    | ▲ 38  | 35    |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>0</b>     | <1    | 2     |
| Water            |        | WC Method   | >0.1  | <b>NEG</b>   | NEG   | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE  | LIGHT |
| 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     | >0.1  | <b>NEG</b>   | NEG   | NEG   |

## FLUID CONDITION

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

|                  |          |             |  |              |      |      |
|------------------|----------|-------------|--|--------------|------|------|
| Sodium           | ppm      | ASTM D5185m |  | <b>&lt;1</b> | <1   | 0    |
| Boron            | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | 0    |
| Barium           | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | 2    |
| Molybdenum       | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | 0    |
| Manganese        | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | 0    |
| Magnesium        | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | <1   |
| Calcium          | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | 0    |
| Phosphorus       | ppm      | ASTM D5185m |  | <b>2</b>     | 4    | 4    |
| Zinc             | ppm      | ASTM D5185m |  | <b>0</b>     | 0    | 0    |
| Sulfur           | ppm      | ASTM D5185m |  | <b>1759</b>  | 598  | 1259 |
| Acid Number (AN) | mg KOH/g | ASTM D8045  |  | <b>1.18</b>  | 0.64 | 0.83 |
| Visc @ 40°C      | cSt      | ASTM D445   |  | <b>94.9</b>  | 99.1 | 99.7 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0929815 **Received** : 09 May 2024  
**Lab Number** : 06174684 **Tested** : 13 May 2024  
**Unique Number** : 11020737 **Diagnosed** : 13 May 2024 - Sean Felton  
**Test Package** : MOB 2 ( Additional Tests: TBN )

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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)