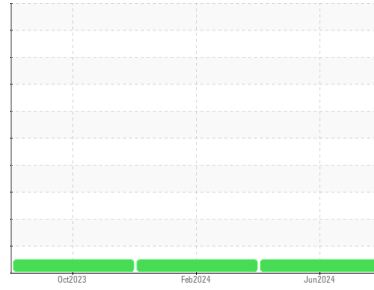


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**ULTRA FG**

Machine Id

**INGERSOLL RAND F36302U98238 - GILSTER MARY LEE STEELEVILLE CAKE**

Component

**Compressor**

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

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1    | history2    |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number      | Client Info |             |            | <b>JHF0000009</b>  | UCH06114457 | UCH05994485 |
| Sample Date        | Client Info |             |            | <b>19 Jun 2024</b> | 24 Feb 2024 | 24 Oct 2023 |
| Machine Age        | hrs         | Client Info |            | <b>19469</b>       | 18168       | 17186       |
| Oil Age            | hrs         | Client Info |            | <b>3387</b>        | 2086        | 1104        |
| Oil Changed        | Client Info |             |            | <b>Oil Added</b>   | Not Changd  | Not Changd  |
| Sample Status      |             |             |            | <b>NORMAL</b>      | NORMAL      | NORMAL      |

| CONTAMINATION |           | method | limit/base | current    | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water         | WC Method |        | >0.1       | <b>NEG</b> | NEG      | NEG      |

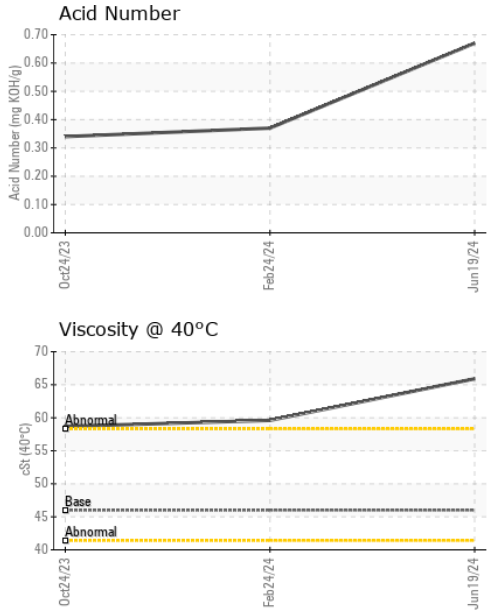
| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >50        | <b>0</b>     | 0        | <1       |
| Chromium    | ppm | ASTM D5185m | >10        | <b>&lt;1</b> | 0        | <1       |
| Nickel      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |
| Silver      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Aluminum    | ppm | ASTM D5185m | >25        | <b>2</b>     | 0        | 0        |
| Lead        | ppm | ASTM D5185m | >25        | <b>0</b>     | 0        | 0        |
| Copper      | ppm | ASTM D5185m | >50        | <b>&lt;1</b> | 0        | 1        |
| Tin         | ppm | ASTM D5185m | >15        | <b>0</b>     | <1       | <1       |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |

| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Barium     | ppm | ASTM D5185m |            | <b>3</b>     | 4        | 19       |
| Molybdenum | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Manganese  | ppm | ASTM D5185m |            | <b>0</b>     | <1       | <1       |
| Magnesium  | ppm | ASTM D5185m |            | <b>&lt;1</b> | 0        | 0        |
| Calcium    | ppm | ASTM D5185m |            | <b>42</b>    | 67       | 56       |
| Phosphorus | ppm | ASTM D5185m |            | <b>163</b>   | 249      | 267      |
| Zinc       | ppm | ASTM D5185m |            | <b>15</b>    | 2        | 10       |
| Sulfur     | ppm | ASTM D5185m |            | <b>370</b>   | 577      | 456      |

| CONTAMINANTS |     | method      | limit/base | current   | history1 | history2 |
|--------------|-----|-------------|------------|-----------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >25        | <b>0</b>  | 0        | <1       |
| Sodium       | ppm | ASTM D5185m |            | <b>54</b> | 35       | 43       |
| Potassium    | ppm | ASTM D5185m | >20        | <b>7</b>  | 3        | 5        |

| FLUID DEGRADATION |          | method     | limit/base | current     | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN)  | mg KOH/g | ASTM D8045 |            | <b>0.67</b> | 0.37     | 0.34     |

# OIL ANALYSIS REPORT



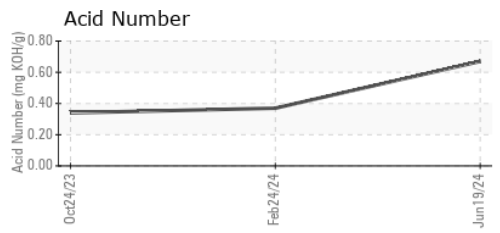
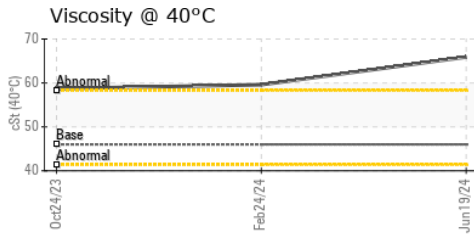
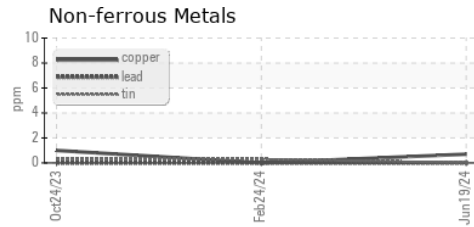
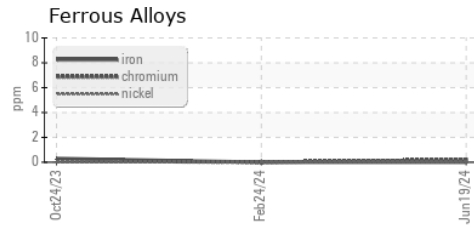
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | NONE     |
| Precipitate      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Silt             | scalar | *Visual    | NONE    | NONE     | NONE     |
| Debris           | scalar | *Visual    | NONE    | NONE     | NONE     |
| Sand/Dirt        | scalar | *Visual    | NONE    | NONE     | NONE     |
| Appearance       | scalar | *Visual    | NORML   | NORML    | NORML    |
| Odor             | scalar | *Visual    | NORML   | NORML    | NORML    |
| Emulsified Water | scalar | *Visual    | >0.1    | NEG      | NEG      |
| Free Water       | scalar | *Visual    |         | NEG      | NEG      |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | 65.0    | 59.6     | 58.7     |

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JHF0000009      **Received** : 26 Jun 2024  
**Lab Number** : 06221377      **Tested** : 27 Jun 2024  
**Unique Number** : 11099574      **Diagnosed** : 27 Jun 2024 - Sean Felton  
**Test Package** : IND 2

**JOHN HENRY FOSTER COMPANY**  
 4700 LEBOURGET STREET  
 SAINT LOUIS, MO  
 US 63134  
 Contact: RACHEL VON HATTEN  
 rvonhatten@jhf.com

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)