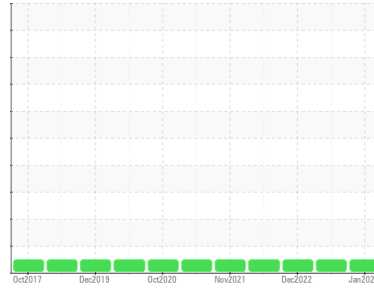




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**FRICK B-4 RDB134B (S/N S0146NFMFT0AA3)**

Component  
**Refrigeration Compressor**

Fluid  
**FRICK COMPRESSOR OIL #9 (40 GAL)**

## 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>WC0898037</b>   | WC0818869   | WC0746969   |
| Sample Date   | Client Info | <b>26 Jan 2024</b> | 05 Jun 2023 | 01 Dec 2022 |
| Machine Age   | hrs         | <b>32941</b>       | 30768       | 26539       |
| Oil Age       | hrs         | <b>0</b>           | 0           | 0           |
| Oil Changed   | Client Info | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   |
| Sample Status |             | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## WEAR METALS

| method   | limit/base | current        | history1     | history2 |    |
|----------|------------|----------------|--------------|----------|----|
| Iron     | ppm        | ASTM D5185m >8 | <b>12</b>    | 7        | 19 |
| Chromium | ppm        | ASTM D5185m >2 | <b>0</b>     | 0        | 0  |
| Nickel   | ppm        | ASTM D5185m    | <b>&lt;1</b> | <1       | 0  |
| Titanium | ppm        | ASTM D5185m    | <b>0</b>     | 0        | 0  |
| Silver   | ppm        | ASTM D5185m >2 | <b>0</b>     | <1       | 0  |
| Aluminum | ppm        | ASTM D5185m >3 | <b>&lt;1</b> | 0        | 0  |
| Lead     | ppm        | ASTM D5185m >2 | <b>&lt;1</b> | 0        | 0  |
| Copper   | ppm        | ASTM D5185m >8 | <b>0</b>     | 0        | 0  |
| Tin      | ppm        | ASTM D5185m >4 | <b>&lt;1</b> | 0        | 0  |
| Vanadium | ppm        | ASTM D5185m    | <b>0</b>     | 0        | 0  |
| Cadmium  | ppm        | ASTM D5185m    | <b>0</b>     | 0        | 0  |

## ADDITIVES

| method     | limit/base | current     | history1     | history2 |    |
|------------|------------|-------------|--------------|----------|----|
| Boron      | ppm        | ASTM D5185m | <b>0</b>     | 0        | 0  |
| Barium     | ppm        | ASTM D5185m | <b>0</b>     | 0        | 0  |
| Molybdenum | ppm        | ASTM D5185m | <b>0</b>     | 0        | 0  |
| Manganese  | ppm        | ASTM D5185m | <b>&lt;1</b> | 0        | <1 |
| Magnesium  | ppm        | ASTM D5185m | <b>2</b>     | 0        | 0  |
| Calcium    | ppm        | ASTM D5185m | <b>2</b>     | 0        | 0  |
| Phosphorus | ppm        | ASTM D5185m | <b>&lt;1</b> | 0        | 23 |
| Zinc       | ppm        | ASTM D5185m | <b>0</b>     | 2        | 0  |
| Sulfur     | ppm        | ASTM D5185m | <b>32</b>    | 11       | 0  |

## CONTAMINANTS

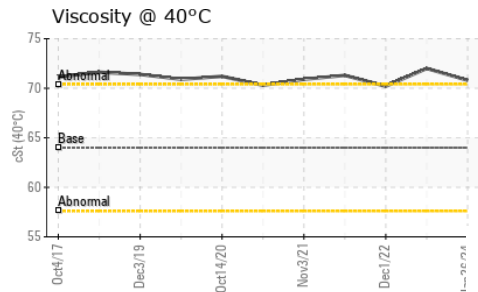
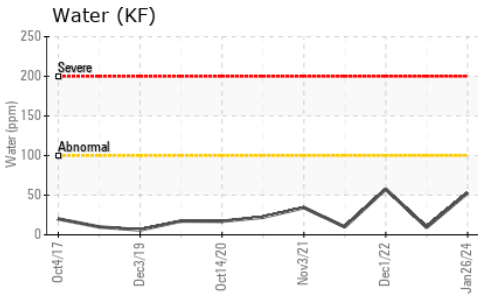
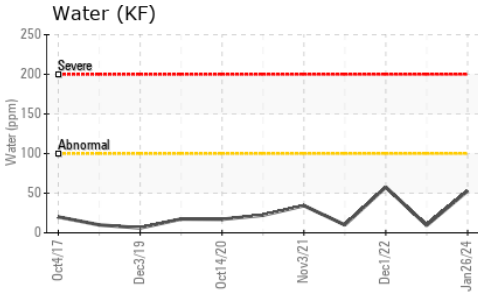
| method    | limit/base | current          | history1     | history2 |       |
|-----------|------------|------------------|--------------|----------|-------|
| Silicon   | ppm        | ASTM D5185m >15  | <b>1</b>     | 0        | 2     |
| Sodium    | ppm        | ASTM D5185m      | <b>&lt;1</b> | 0        | 0     |
| Potassium | ppm        | ASTM D5185m >20  | <b>2</b>     | <1       | 0     |
| Water     | %          | ASTM D6304 >0.01 | <b>0.005</b> | 0.001    | 0.005 |
| ppm Water | ppm        | ASTM D6304 >100  | <b>53</b>    | 9.4      | 57.7  |

## FLUID DEGRADATION

| method           | limit/base | current   | history1     | history2 |       |
|------------------|------------|-----------|--------------|----------|-------|
| Acid Number (AN) | mg KOH/g   | ASTM D974 | <b>0.014</b> | 0.023    | 0.014 |



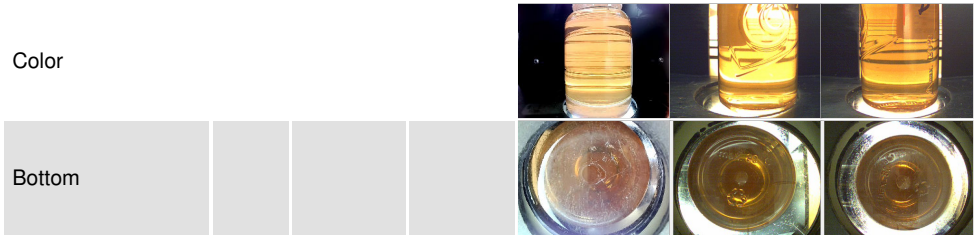
# OIL ANALYSIS REPORT



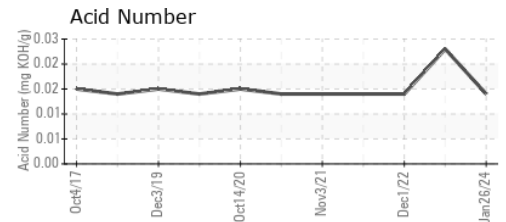
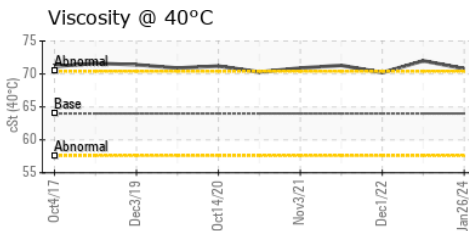
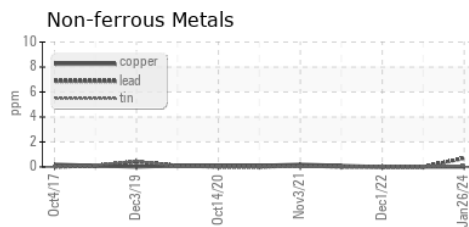
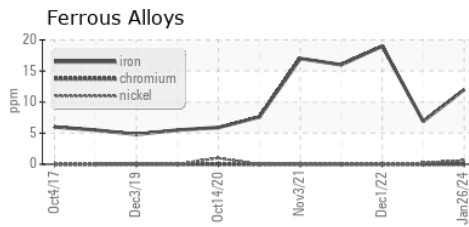
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | NONE     |
| 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    | >0.01   | NEG      | NEG      |
| Free Water       | scalar | *Visual    |         | NEG      | NEG      |

| FLUID PROPERTIES | method | limit/base     | current     | history1 | history2 |
|------------------|--------|----------------|-------------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445 64.0 | <b>70.8</b> | 72.0     | 70.2     |

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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0898037 **Received** : 31 Jan 2024  
**Lab Number** : 06075899 **Tested** : 01 Feb 2024  
**Unique Number** : 10857990 **Diagnosed** : 02 Feb 2024 - Don Baldrige  
**Test Package** : IND 2

**PIGGLY WIGGLY**  
 2400 TERRELL WOOTEN DR  
 BESSEMER, AL  
 US 35020  
 Contact: MYRON HALL

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)

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F: