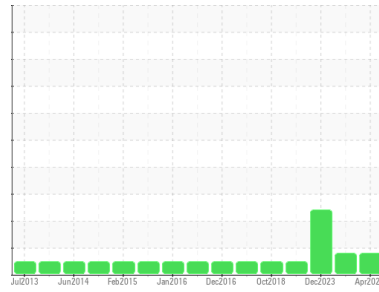




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**GEA C-2**  
 Component  
**Refrigeration Compressor**  
 Fluid  
**CAMCO 717 HT (80 GAL)**

## DIAGNOSIS

### Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

The iron level is abnormal. All other 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>WC0918559</b>   | WC0908554   | WC0858763   |
| Sample Date        | Client Info |             |            | <b>15 Apr 2024</b> | 02 Apr 2024 | 29 Dec 2023 |
| Machine Age        | hrs         | Client Info |            | <b>68882</b>       | 68570       | 66644       |
| Oil Age            | hrs         | Client Info |            | <b>0</b>           | 68570       | 66644       |
| Oil Changed        | Client Info |             |            | <b>N/A</b>         | N/A         | Not Changd  |
| Sample Status      |             |             |            | <b>MARGINAL</b>    | MARGINAL    | MARGINAL    |

| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >8         | <b>▲ 29</b>  | ▲ 31     | ▲ 38     |
| Chromium    | ppm | ASTM D5185m | >2         | <b>&lt;1</b> | 0        | <1       |
| Nickel      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |
| Silver      | ppm | ASTM D5185m | >2         | <b>0</b>     | 0        | 0        |
| Aluminum    | ppm | ASTM D5185m | >3         | <b>0</b>     | 0        | 0        |
| Lead        | ppm | ASTM D5185m | >2         | <b>0</b>     | 0        | <1       |
| Copper      | ppm | ASTM D5185m | >8         | <b>0</b>     | 0        | <1       |
| Tin         | ppm | ASTM D5185m | >4         | <b>&lt;1</b> | 0        | <1       |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |

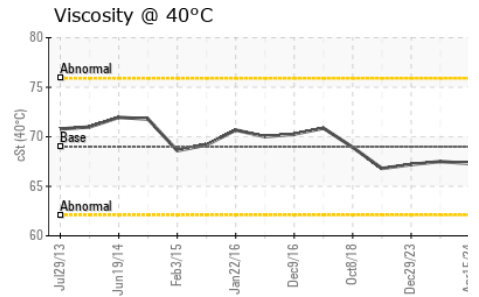
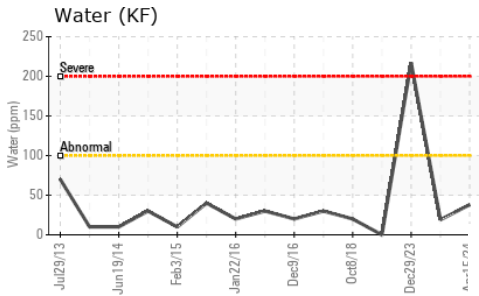
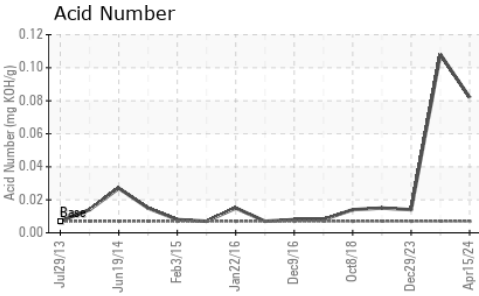
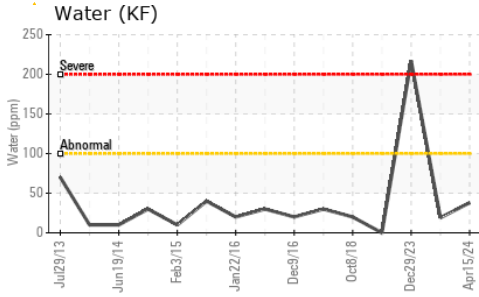
| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Barium     | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 8        |
| Molybdenum | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |
| Manganese  | ppm | ASTM D5185m |            | <b>&lt;1</b> | 0        | <1       |
| Magnesium  | ppm | ASTM D5185m |            | <b>&lt;1</b> | 0        | <1       |
| Calcium    | ppm | ASTM D5185m |            | <b>1</b>     | 0        | 2        |
| Phosphorus | ppm | ASTM D5185m |            | <b>3</b>     | 1        | 7        |
| Zinc       | ppm | ASTM D5185m |            | <b>3</b>     | 0        | 0        |
| Sulfur     | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >15        | <b>2</b>     | 1        | 3        |
| Sodium       | ppm | ASTM D5185m |            | <b>&lt;1</b> | <1       | 0        |
| Potassium    | ppm | ASTM D5185m | >20        | <b>&lt;1</b> | 0        | <1       |
| Water        | %   | ASTM D6304  | >0.01      | <b>0.003</b> | 0.002    | ▲ 0.021  |
| ppm Water    | ppm | ASTM D6304  | >100       | <b>38</b>    | 19       | ▲ 217    |

| FLUID DEGRADATION |          | method    | limit/base | current      | history1 | history2 |
|-------------------|----------|-----------|------------|--------------|----------|----------|
| Acid Number (AN)  | mg KOH/g | ASTM D974 | 0.007      | <b>0.082</b> | 0.108    | 0.014    |



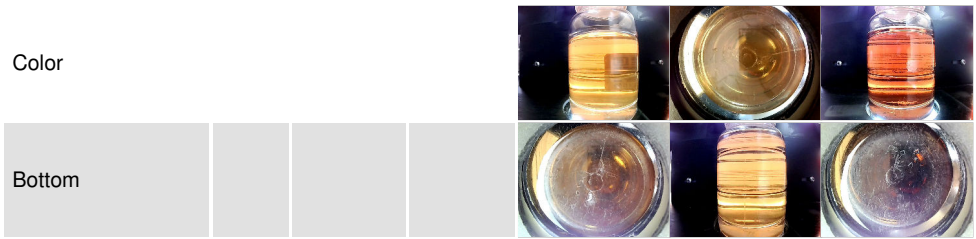
# OIL ANALYSIS REPORT



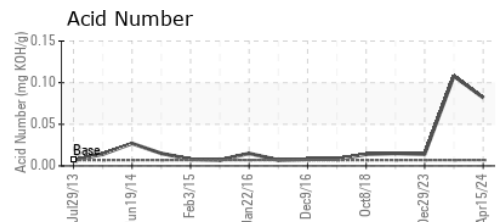
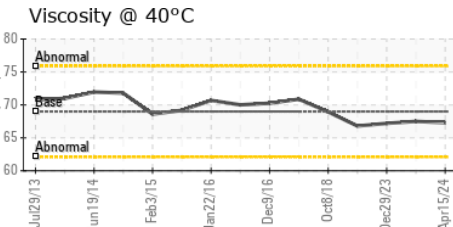
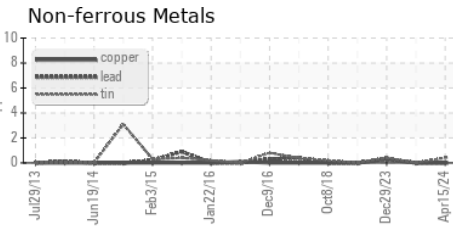
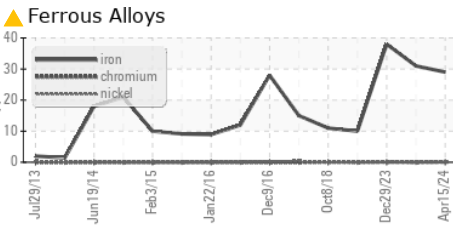
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | NONE     |
| 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  | 69      | 67.5     | 67.2     |

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0918559 **Received** : 23 Apr 2024  
**Lab Number** : 06157748 **Tested** : 24 Apr 2024  
**Unique Number** : 10993171 **Diagnosed** : 25 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2

**FROZEN ASSETS**  
 2635 S WESTERN AVE  
 CHICAGO, IL  
 US 60608  
 Contact: Service Manager

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)

T:  
F: