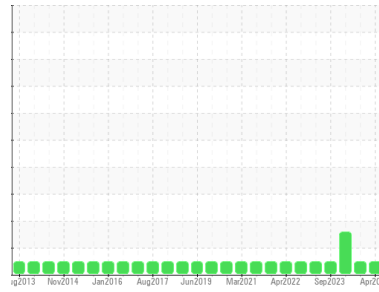




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
GEA BC-1/RB-1
 Component
Refrigeration Compressor
 Fluid
CAMCO 717 HT (140 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. 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 | | WC0908552 | WC0908559 | WC0858770 |
| Sample Date | Client Info | | 15 Apr 2024 | 02 Apr 2024 | 29 Dec 2023 |
| Machine Age | hrs | Client Info | 119828 | 119513 | 117258 |
| Oil Age | hrs | Client Info | 0 | 119513 | 117258 |
| Oil Changed | Client Info | | N/A | N/A | Not Changd |
| Sample Status | | | NORMAL | NORMAL | MARGINAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >8 | 10 | 11 | 11 |
| Chromium | ppm | ASTM D5185m >2 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >3 | 0 | 0 | 0 |
| Lead | ppm | ASTM D5185m >2 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m >8 | 0 | 0 | <1 |
| Tin | ppm | ASTM D5185m >4 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | <1 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 8 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | <1 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | <1 | 0 | <1 |
| Calcium | ppm | ASTM D5185m | <1 | 0 | <1 |
| Phosphorus | ppm | ASTM D5185m | 2 | 0 | 7 |
| Zinc | ppm | ASTM D5185m | 0 | 0 | 0 |
| Sulfur | ppm | ASTM D5185m | 0 | 0 | 0 |

CONTAMINANTS

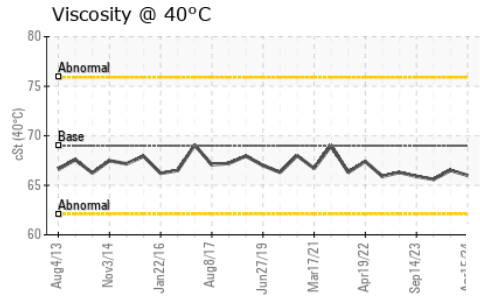
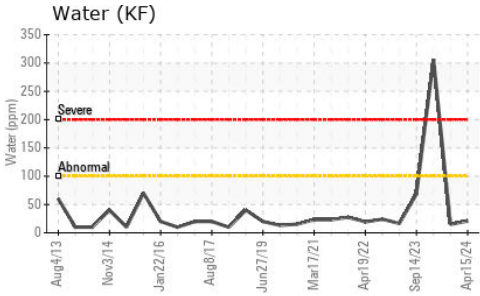
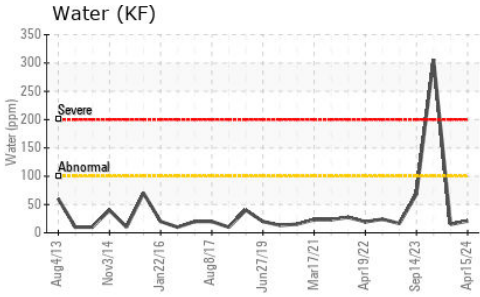
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >15 | 4 | 4 | 4 |
| Sodium | ppm | ASTM D5185m | <1 | 0 | 0 |
| Potassium | ppm | ASTM D5185m >20 | <1 | 0 | 1 |
| Water | % | ASTM D6304 >0.01 | 0.002 | 0.001 | ▲ 0.030 |
| ppm Water | ppm | ASTM D6304 >100 | 21 | 15 | ▲ 306 |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|-----------------|--------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974 0.007 | 0.014 | 0.014 | 0.014 |



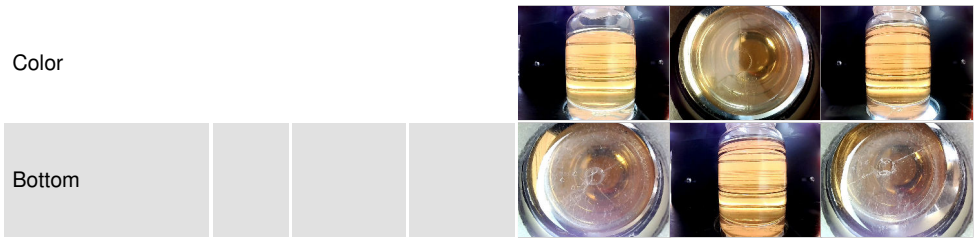
OIL ANALYSIS REPORT



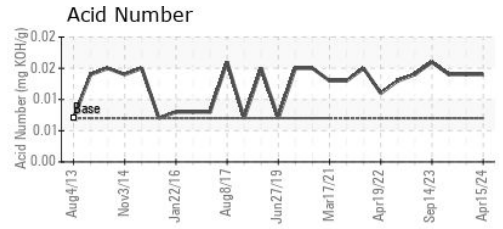
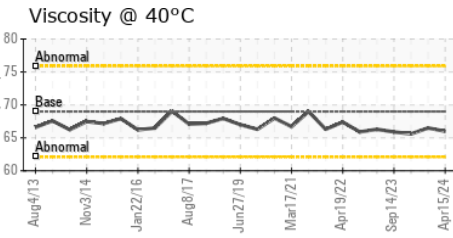
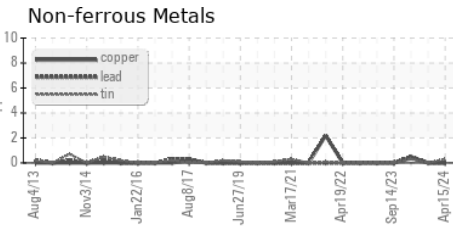
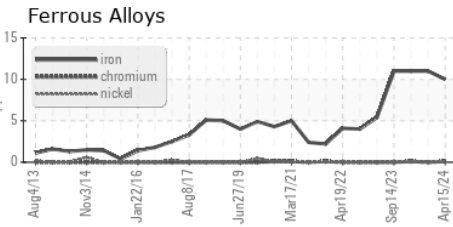
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | 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 | 66.0 | 66.5 | 65.6 |

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0908552 **Received** : 23 Apr 2024
Lab Number : 06157751 **Tested** : 24 Apr 2024
Unique Number : 10993174 **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)