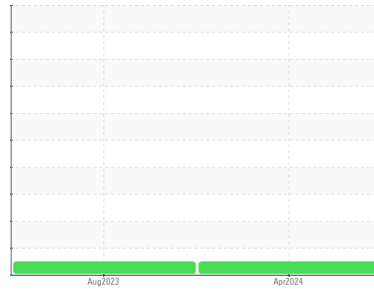




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
CH 1 CIR 2 (S/N 11531D53598241)
 Component
Refrigeration Compressor
 Fluid
YORK PVE (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a trace of moisture present 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 | | | WC0918546 | WC0751607 | --- |
| Sample Date | Client Info | | | 11 Apr 2024 | 03 Aug 2023 | --- |
| Machine Age | hrs | Client Info | | 33791 | 30709 | --- |
| Oil Age | hrs | Client Info | | 33791 | 0 | --- |
| Oil Changed | | Client Info | | Not Changed | Not Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

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

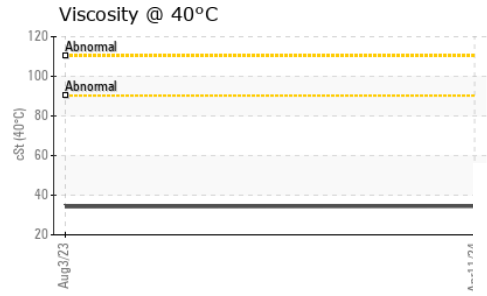
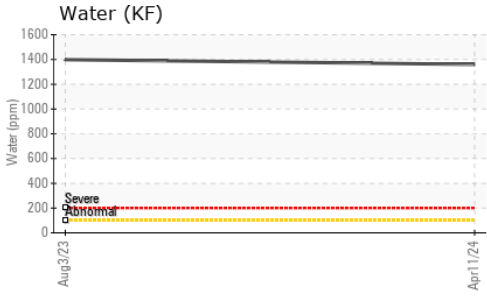
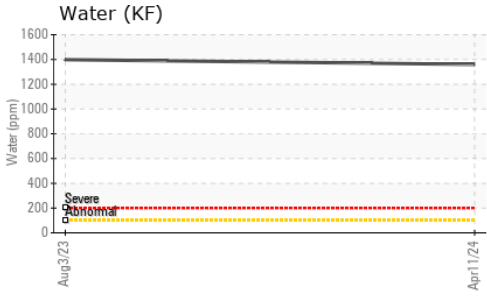
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|------------|----------|----------|
| Boron | ppm | ASTM D5185m | | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | | 3 | 0 | --- |
| Calcium | ppm | ASTM D5185m | | 4 | 0 | --- |
| Phosphorus | ppm | ASTM D5185m | | 545 | 528 | --- |
| Zinc | ppm | ASTM D5185m | | 0 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | | 0 | 2 | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >15 | 1 | 1 | --- |
| Sodium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | --- |
| Water | % | ASTM D6304 | >0.01 | 0.135 | 0.139 | --- |
| ppm Water | ppm | ASTM D6304 | >100 | 1360 | 1398.7 | --- |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|-----------|------------|--------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974 | | 0.014 | 0.015 | --- |



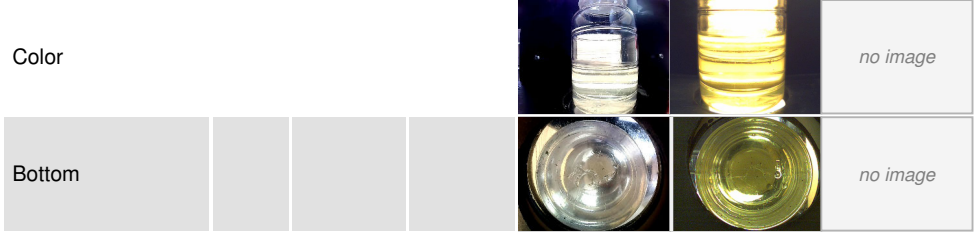
OIL ANALYSIS REPORT



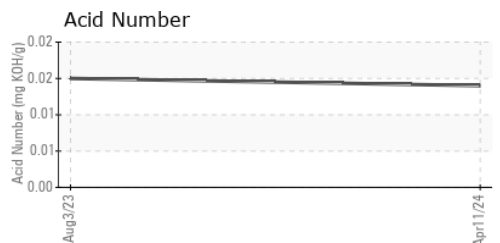
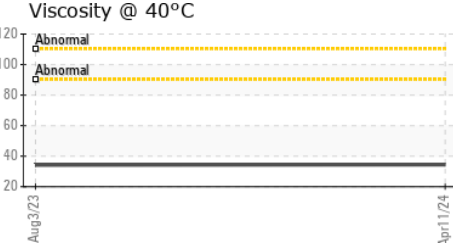
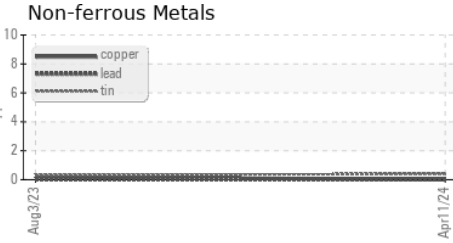
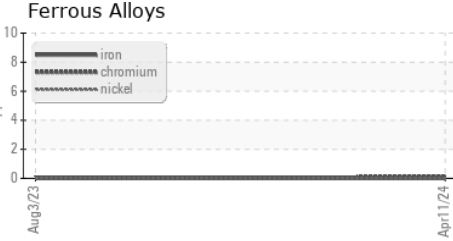
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- |
| Silt | scalar | *Visual | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | LIGHT | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.01 | NEG | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 34.4 | 34.2 | --- |

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918546 **Received** : 17 Apr 2024
Lab Number : **06152051** **Tested** : 18 Apr 2024
Unique Number : 10982129 **Diagnosed** : 22 Apr 2024 - Jonathan Hester
Test Package : IND 2

RANA MEAL SOLUTIONS
 550 SPITZER RD
 BARTLETT, IL
 US 60103
 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: