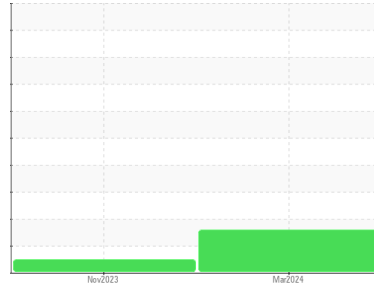




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

NOT GIVEN

Machine Id

INGERSOLL RAND PCS 15 - CASCADES (S/N V3749U19102)

Component

Compressor

DIAGNOSIS

▲ Recommendation

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

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water 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 | | UCH06139329 | UCH06017467 | --- |
| Sample Date | Client Info | | 27 Mar 2024 | 14 Nov 2023 | --- |
| Machine Age | hrs | Client Info | 11467 | 12844 | --- |
| Oil Age | hrs | Client Info | 8000 | 6000 | --- |
| Oil Changed | Client Info | | Changed | Not Changd | --- |
| Sample Status | | | ABNORMAL | NORMAL | --- |

WEAR METALS

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

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | 476 | 443 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | --- |
| Manganese | ppm | ASTM D5185m | <1 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | --- |
| Calcium | ppm | ASTM D5185m | 0 | 5 | --- |
| Phosphorus | ppm | ASTM D5185m | 2 | 0 | --- |
| Zinc | ppm | ASTM D5185m | 0 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | 531 | 515 | --- |

CONTAMINANTS

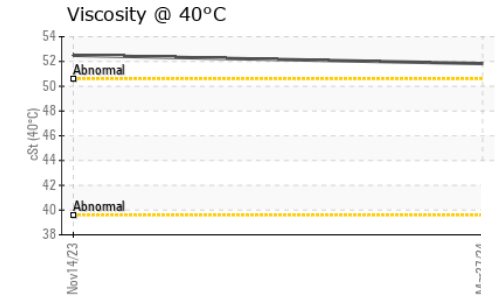
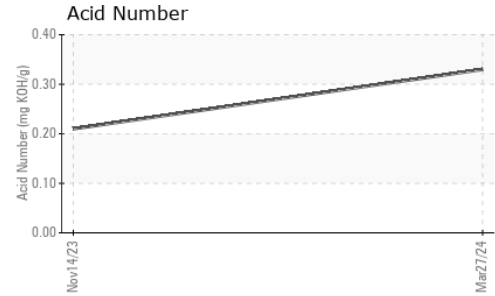
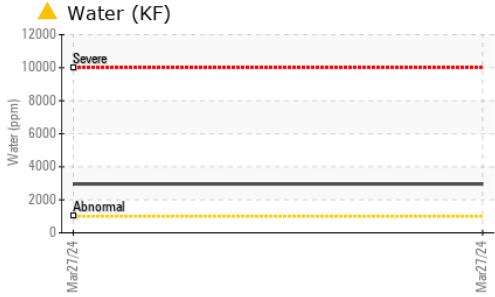
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|----------------|----------|----------|
| Silicon | ppm | ASTM D5185m >25 | 0 | 4 | --- |
| Sodium | ppm | ASTM D5185m | 18 | 46 | --- |
| Potassium | ppm | ASTM D5185m >20 | 6 | 6 | --- |
| Water | % | ASTM D6304 >0.1 | ▲ 0.296 | --- | --- |
| ppm Water | ppm | ASTM D6304 >1000 | ▲ 2960 | --- | --- |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.33 | 0.21 | --- |



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 | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | 0.2% | NEG |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 51.83 | 52.5 | --- |

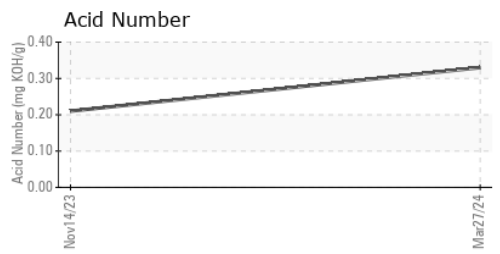
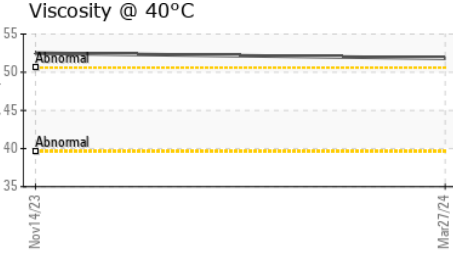
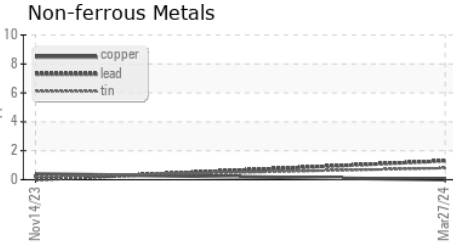
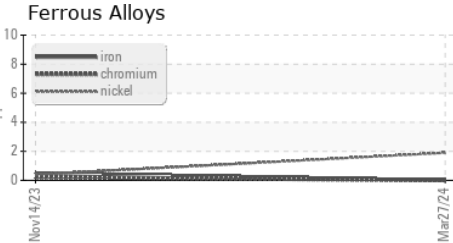
SAMPLE IMAGES

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

no image

no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06139329 **Received** : 04 Apr 2024
Lab Number : 06139329 **Tested** : 10 Apr 2024
Unique Number : 10964137 **Diagnosed** : 10 Apr 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

GREEN COUNTY COMPRESSOR SERVICE
 11974 E 530 RD
 CLAREMORE, OK
 US 74019
 Contact: ASHLEY PIGUET
 ashley@gccs.us.com
 T: (918)906-6343
 F:

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)