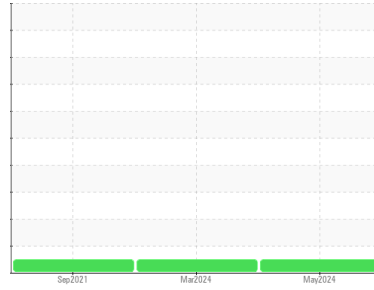




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

ACS-32 [420492]

Machine Id

SULLAIR 201611300013 - INFINEUM

Component

Compressor

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 | | UCH06195569 | UCH06173934 | UCH05351628 |
| Sample Date | Client Info | | 23 May 2024 | 04 Mar 2024 | 08 Sep 2021 |
| Machine Age | hrs | Client Info | 40719 | 40675 | 27665 |
| Oil Age | hrs | Client Info | 1843 | 1799 | 2831 |
| Oil Changed | Client Info | | Not Chngd | Not Chngd | Changed |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.1 | NEG | NEG | NEG |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >50 | 0 | 0 | 0 |
| Chromium | ppm | ASTM D5185m >10 | 0 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m >25 | <1 | 0 | 0 |
| Lead | ppm | ASTM D5185m >25 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m >50 | 1 | <1 | 4 |
| Tin | ppm | ASTM D5185m >15 | <1 | <1 | 0 |
| Antimony | ppm | ASTM D5185m | --- | --- | 0 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-----------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m 1 | 0 | 0 | 2 |
| Barium | ppm | ASTM D5185m 730 | 545 | 571 | 752 |
| Molybdenum | ppm | ASTM D5185m 0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m 0.0 | <1 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m 0 | <1 | 0 | <1 |
| Calcium | ppm | ASTM D5185m 0 | 1 | 1 | 0 |
| Phosphorus | ppm | ASTM D5185m 0 | 11 | 4 | 4 |
| Zinc | ppm | ASTM D5185m 0 | 0 | 0 | 12 |
| Sulfur | ppm | ASTM D5185m 590 | 514 | 510 | 248 |

CONTAMINANTS

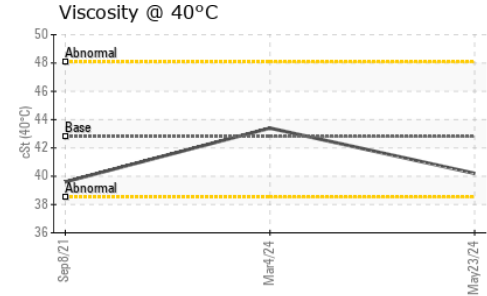
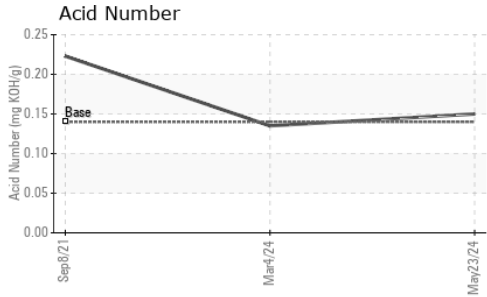
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >25 | <1 | <1 | 0 |
| Sodium | ppm | ASTM D5185m | 27 | 26 | 32 |
| Potassium | ppm | ASTM D5185m >20 | 4 | 3 | 0 |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|-----------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.14 | 0.15 | 0.135 | 0.223 |



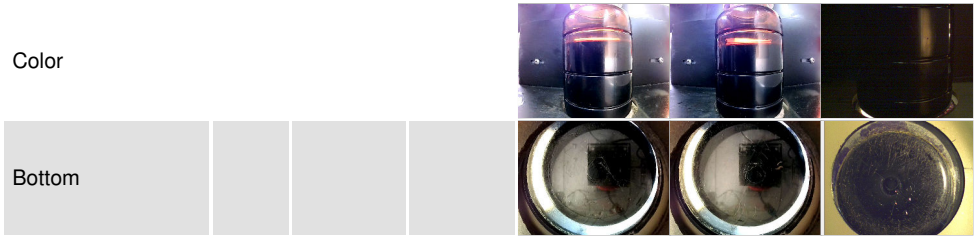
OIL ANALYSIS REPORT



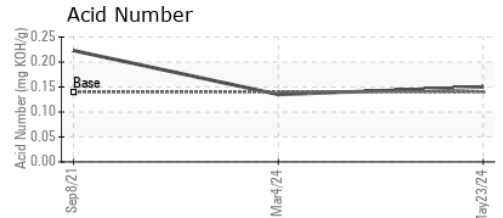
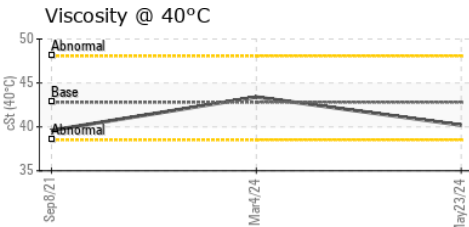
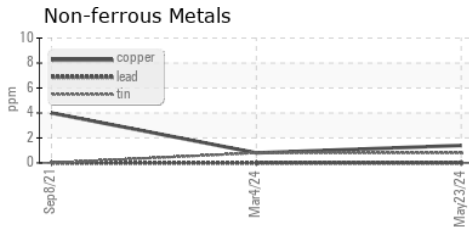
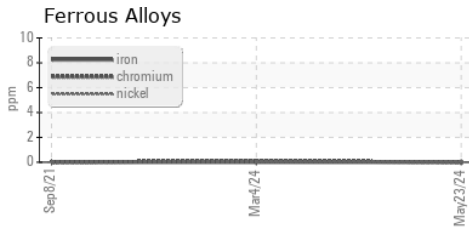
| VISUAL | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|--------------|----------|-------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | VLITE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | VLITE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|-------------|----------|------|
| Visc @ 40°C | cSt | ASTM D445 | 42.8 | 40.2 | 43.4 | 39.6 |

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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06195569
Lab Number : **06195569**
Unique Number : 11057692
Test Package : IND 2

Received : 30 May 2024
Tested : 31 May 2024
Diagnosed : 31 May 2024 - Wes Davis

AIRMATIC COMPRESSOR SYSTEMS
 700 WASHINGTON AVE
 CARLSTADT, NJ
 US 07072
 Contact: ELVIN DIAZ
 ediaz@airmaticcompressor.com; canastasio@wearcheckusa.com

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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