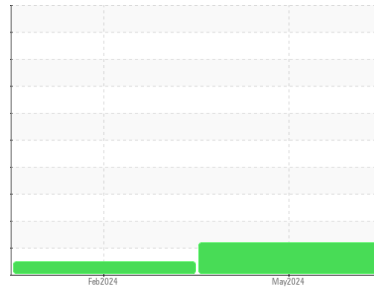




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
INGERSOLL RAND C3 - Alltrista plastics (S/N CK2102U99146)
 Component
Screw Compressor
 Fluid
INGERSOLL-RAND SSR ULTRA COOLANT (7 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

The lead level is abnormal. All other component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris 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 | | WC0915307 | WC0887863 | --- |
| Sample Date | Client Info | | 07 May 2024 | 19 Feb 2024 | --- |
| Machine Age | hrs | Client Info | 30875 | 32153 | --- |
| Oil Age | hrs | Client Info | 5 | 32153 | --- |
| Oil Changed | Client Info | | Not Chngd | N/A | --- |
| Sample Status | | | ABNORMAL | NORMAL | --- |

CONTAMINATION

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

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >60 | <1 | <1 | --- |
| Chromium | ppm | ASTM D5185m >4 | 0 | <1 | --- |
| Nickel | ppm | ASTM D5185m | 0 | <1 | --- |
| Titanium | ppm | ASTM D5185m | 0 | <1 | --- |
| Silver | ppm | ASTM D5185m | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m >5 | 0 | 1 | --- |
| Lead | ppm | ASTM D5185m >10 | ▲ 12 | 0 | --- |
| Copper | ppm | ASTM D5185m >30 | 14 | <1 | --- |
| Tin | ppm | ASTM D5185m >15 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | <1 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-----------------|------------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m 556 | 938 | 426 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | 0 | 2 | --- |
| Calcium | ppm | ASTM D5185m 242 | 0 | 3 | --- |
| Phosphorus | ppm | ASTM D5185m 0 | 0 | <1 | --- |
| Zinc | ppm | ASTM D5185m 0 | 0 | <1 | --- |
| Sulfur | ppm | ASTM D5185m 306 | 244 | 490 | --- |

CONTAMINANTS

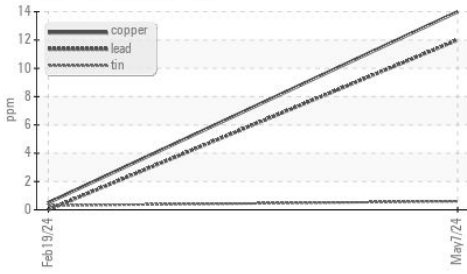
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >50 | 1 | 1 | --- |
| Sodium | ppm | ASTM D5185m | 6 | 44 | --- |
| Potassium | ppm | ASTM D5185m >20 | 2 | 6 | --- |

FLUID DEGRADATION

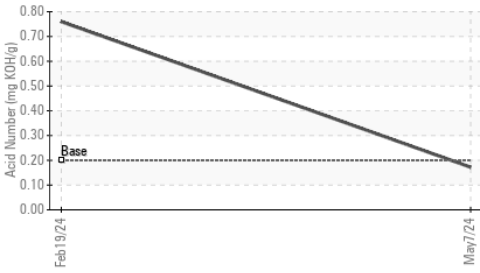
| | method | limit/base | current | history1 | history2 |
|------------------|----------|----------------|--------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.2 | 0.172 | 0.76 | --- |

OIL ANALYSIS REPORT

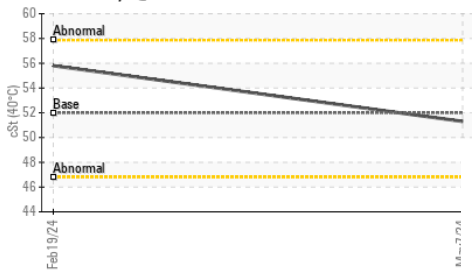
▲ Non-ferrous Metals



Acid Number



Viscosity @ 40°C



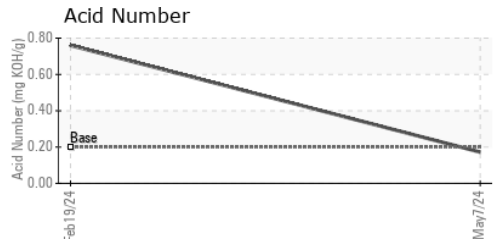
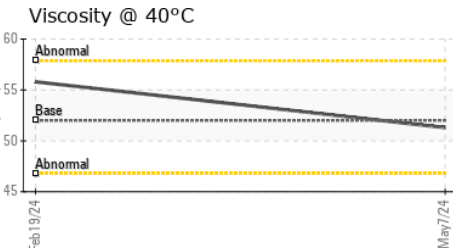
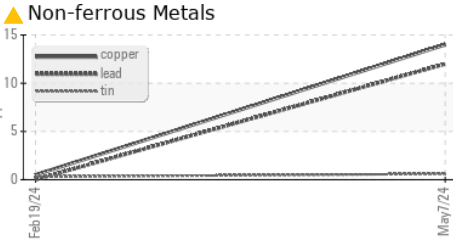
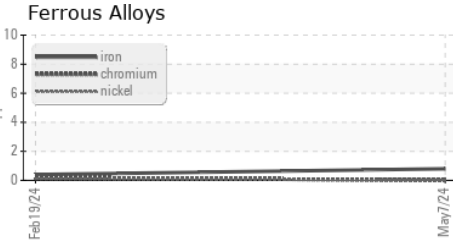
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | ---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

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|--------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 52 | 51.3 | 55.8 | --- |

SAMPLE IMAGES

| method | limit/base | current | history1 | history2 | |
|--------|------------|---------|----------|----------|----------|
| Color | | | | | no image |
| Bottom | | | | | no image |

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0915307 **Received** : 17 May 2024
Lab Number : 06182968 **Tested** : 20 May 2024
Unique Number : 11034294 **Diagnosed** : 21 May 2024 - Sean Felton
Test Package : IND 2

ELEVATED INDUSTRIAL SOLUTIONS - IIS
 302 HUGHES ST
 FOUNTAIN INN, SC
 US 29644
 Contact: DARRIN WARD
 dward@elevatedindustrial.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) F: (864)862-7653