



OIL ANALYSIS REPORT

| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Area
ACI-FG8000
 Machine Id
GARDNER DENVER S421793 - SHAMROCK FARMS
 Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | UAC06221323 | UAC06066931 | UAC06012557 |
| Sample Date | | Client Info | | 21 Jun 2024 | 17 Jan 2024 | 09 Nov 2023 |
| Machine Age | hrs | Client Info | | 43494 | 42503 | 41430 |
| Oil Age | hrs | Client Info | | 450 | 5894 | 4821 |
| Filter Age | hrs | Client Info | | 450 | 1694 | 601 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >50 | 0 | 3 | <1 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | | 0 | <1 | 2 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 2 | 5 |
| Lead | ppm | ASTM D5185m | >25 | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >50 | 0 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >15 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

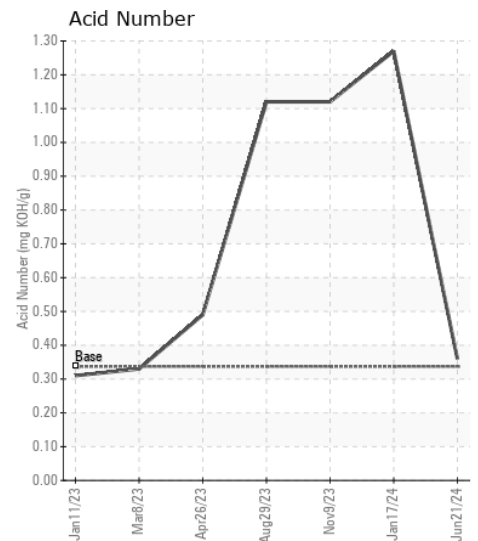
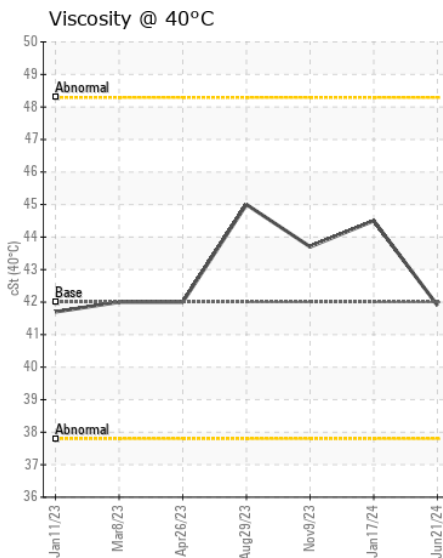
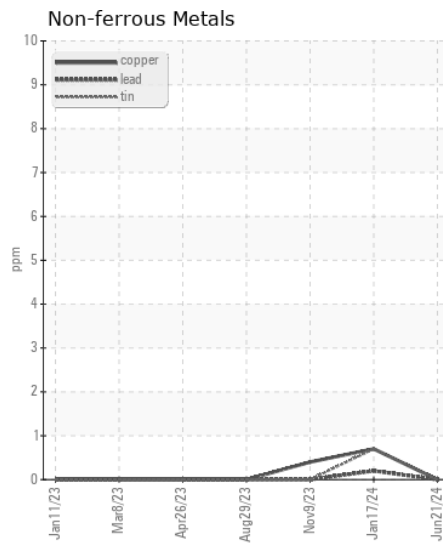
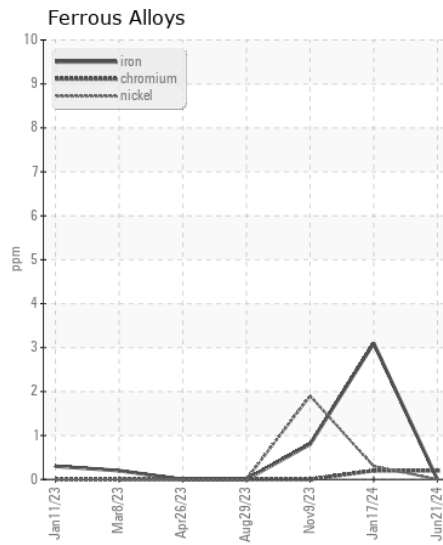
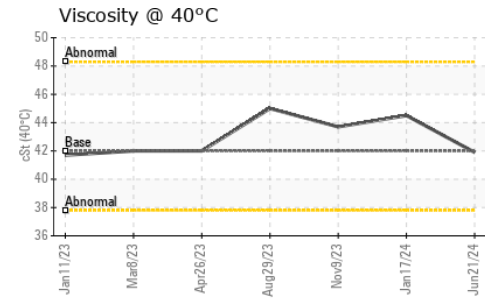
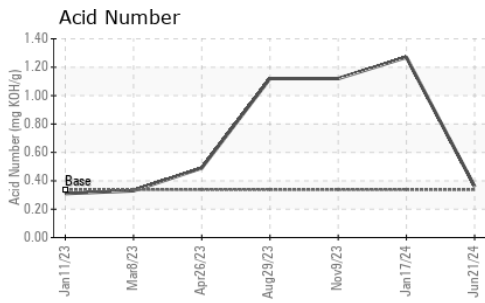
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 0 | <1 | <1 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | <1 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| 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 |

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|-------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Boron | ppm | ASTM D5185m | 1 | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 0.3 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | <1 | 0 |
| Manganese | ppm | ASTM D5185m | 0 | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | <1 | 2 |
| Calcium | ppm | ASTM D5185m | 0.5 | 0 | 0 | 1 |
| Phosphorus | ppm | ASTM D5185m | 536 | 301 | 247 | 271 |
| Zinc | ppm | ASTM D5185m | 0.2 | <1 | 0 | 36 |
| Sulfur | ppm | ASTM D5185m | 649 | 1054 | 336 | 513 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.337 | 0.36 | 1.27 | 1.12 |
| Visc @ 40°C | cSt | ASTM D445 | 42.0 | 41.9 | 44.5 | 43.7 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UAC06221323
Lab Number : 06221323
Unique Number : 11099520
Test Package : IND 2

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 27 Jun 2024 - Sean Felton

ATLANTIC COMPRESSORS - ACI
 2144 SALEM INDUSTRIAL DRIVE
 SALEM, VA
 US 24153

Contact: BILL RIMER
 bill@atlanticcompressors.com

T: (540)728-1147
 F: (757)216-0134

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)