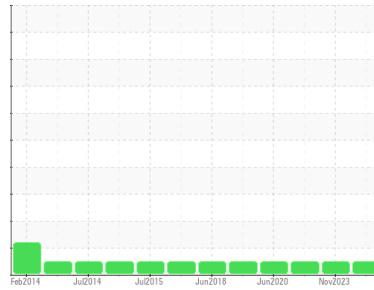


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**MAXAIR 44**

Machine Id

**SULLAIR 003-137642 - TEAM AUDUBON**

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 |             |            | <b>UCS06159226</b> | UCS06023872 | UCS05858103 |
| Sample Date        | Client Info |             |            | <b>12 Apr 2024</b> | 17 Nov 2023 | 12 May 2023 |
| Machine Age        | hrs         | Client Info |            | <b>56529</b>       | 53006       | 48474       |
| Oil Age            | hrs         | Client Info |            | <b>3523</b>        | 8000        | 2500        |
| Oil Changed        | Client Info |             |            | <b>Not Changed</b> | Changed     | Not Changed |
| Sample Status      |             |             |            | <b>NORMAL</b>      | NORMAL      | NORMAL      |

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

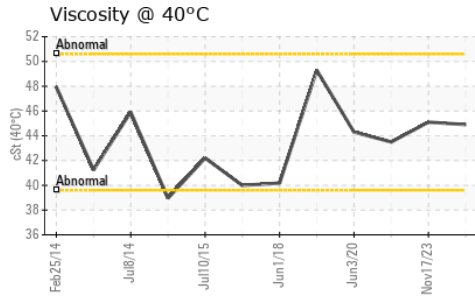
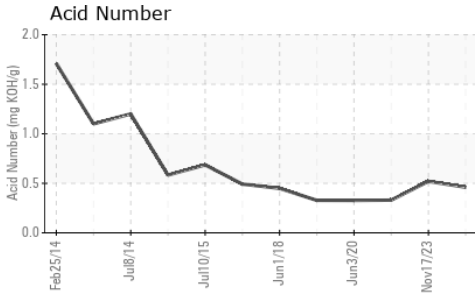
| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >50        | <b>0</b>     | 0        | <1       |
| Chromium    | ppm | ASTM D5185m | >10   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

| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Barium     | ppm | ASTM D5185m |            | <b>0</b>     | 0        | 0        |
| Molybdenum | ppm | ASTM D5185m |            | <b>&lt;1</b> | 0        | <1       |
| Manganese  | ppm | ASTM D5185m |            | <b>0</b>     | 0        | <1       |
| Magnesium  | ppm | ASTM D5185m |            | <b>&lt;1</b> | 0        | 5        |
| Calcium    | ppm | ASTM D5185m |            | <b>3</b>     | 0        | 0        |
| Phosphorus | ppm | ASTM D5185m |            | <b>189</b>   | 247      | 349      |
| Zinc       | ppm | ASTM D5185m |            | <b>0</b>     | <1       | 0        |
| Sulfur     | ppm | ASTM D5185m |            | <b>286</b>   | 188      | 446      |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >25        | <b>&lt;1</b> | 1        | 3        |
| Sodium       | ppm | ASTM D5185m |            | <b>&lt;1</b> | 0        | <1       |
| Potassium    | ppm | ASTM D5185m | >20        | <b>&lt;1</b> | 0        | <1       |

| FLUID DEGRADATION |          | method     | limit/base | current     | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN)  | mg KOH/g | ASTM D8045 |            | <b>0.46</b> | 0.52     | 0.33     |

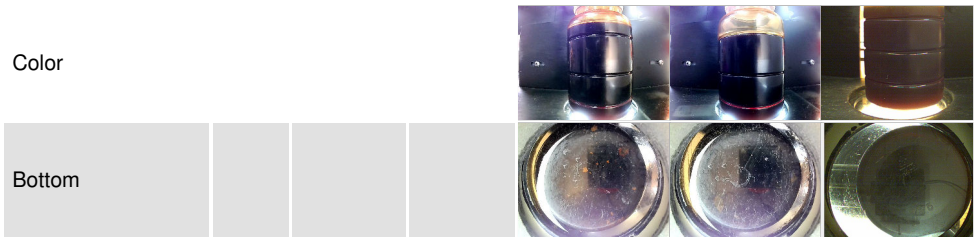
# OIL ANALYSIS REPORT



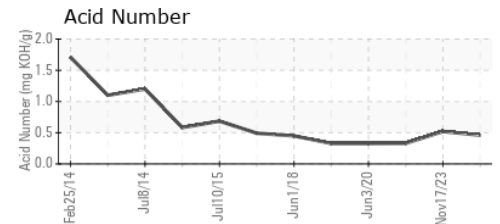
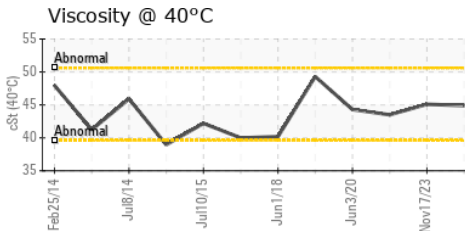
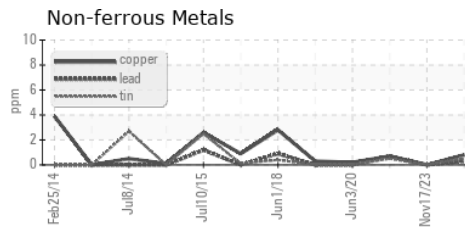
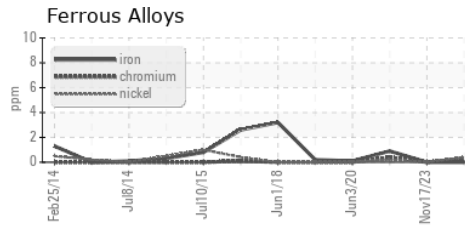
| PARAMETER        | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | NONE     |
|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

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | 44.9    | 45.1     | 43.5     |

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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCS06159226 **Received** : 24 Apr 2024  
**Lab Number** : 06159226 **Tested** : 25 Apr 2024  
**Unique Number** : 10994649 **Diagnosed** : 26 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2

**JEMCO-MAXAIR**

WEST FARGO, ND  
US 58078

Contact: DALE K  
dalek@jemco-maxair.com

T: (701)281-0362

F: x:

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)