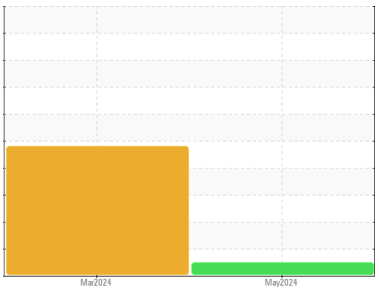
# OIL ANALYSIS REPORT

Sample Rating Trend




NORMAL

Area
**SULLUBE**
Machine Id
**SULLAIR US0122080206 - CIND-R-LITE**
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 | | **UCH06199359** | UCH06117260 | --- |
| Sample Date | | Client Info | | **20 May 2024** | 12 Mar 2024 | --- |
| Machine Age | hrs | Client Info | | **5915** | 0 | --- |
| Oil Age | hrs | Client Info | | **0** | 0 | --- |
| Oil Changed | | Client Info | | **Changed** | N/A | --- |
| Sample Status | | | | **NORMAL** | SEVERE | --- |

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

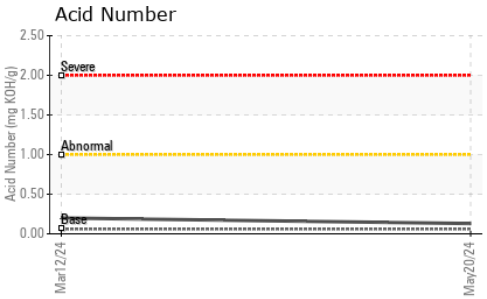
| WEAR METALS | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Iron | ppm | ASTM D5185m | >50 | **3** | 0 | --- |
| Chromium | ppm | ASTM D5185m | >10 | **0** | <1 | --- |
| Nickel | ppm | ASTM D5185m | | **0** | <1 | --- |
| Titanium | ppm | ASTM D5185m | | **0** | 0 | --- |
| Silver | ppm | ASTM D5185m | | **0** | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | **3** | 2 | --- |
| Lead | ppm | ASTM D5185m | >25 | **0** | 0 | --- |
| Copper | ppm | ASTM D5185m | >50 | **1** | 0 | --- |
| Tin | ppm | ASTM D5185m | >15 | **<1** | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | **0** | 0 | --- |
| Cadmium | ppm | ASTM D5185m | | **<1** | 0 | --- |

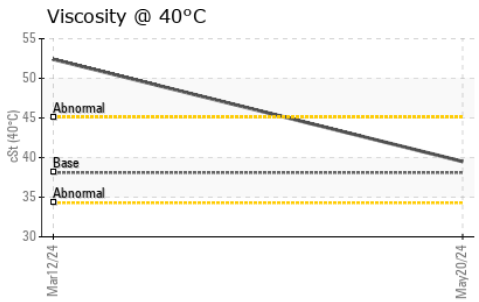
| ADDITIVES | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Boron | ppm | ASTM D5185m | | **0** | 0 | --- |
| Barium | ppm | ASTM D5185m | 745 | **345** | 718 | --- |
| Molybdenum | ppm | ASTM D5185m | 0.0 | **0** | 0 | --- |
| Manganese | ppm | ASTM D5185m | | **<1** | 0 | --- |
| Magnesium | ppm | ASTM D5185m | 0.0 | **4** | <1 | --- |
| Calcium | ppm | ASTM D5185m | 1 | **9** | 5 | --- |
| Phosphorus | ppm | ASTM D5185m | 3 | **<1** | 11 | --- |
| Zinc | ppm | ASTM D5185m | 0.1 | **18** | 4 | --- |
| Sulfur | ppm | ASTM D5185m | 240 | **384** | 210 | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Silicon | ppm | ASTM D5185m | >25 | **2** | ▲ 550 | --- |
| Sodium | ppm | ASTM D5185m | | **178** | 13 | --- |
| Potassium | ppm | ASTM D5185m | >20 | **35** | 3 | --- |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | .06 | **0.13** | 0.20 | --- |

# OIL ANALYSIS REPORT



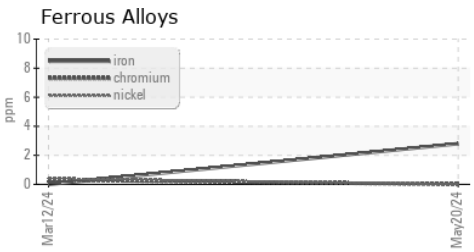



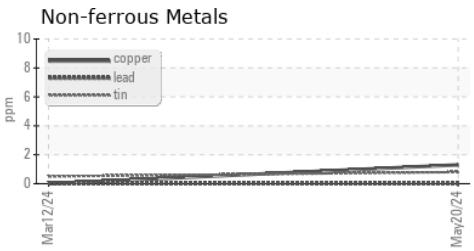

| VISUAL | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| White Metal | scalar | *Visual | NONE | **NONE** | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | **NONE** | NONE | --- |
| Precipitate | scalar | *Visual | NONE | **NONE** | NONE | --- |
| Silt | scalar | *Visual | NONE | **NONE** | NONE | --- |
| Debris | scalar | *Visual | NONE | **NONE** | NONE | --- |
| 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 | --- |

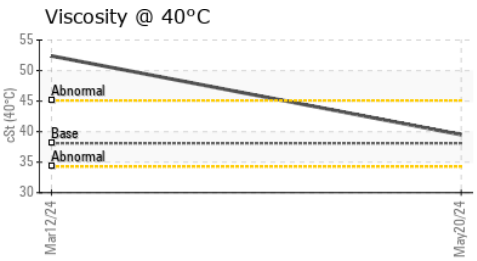
| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Visc @ 40°C | cSt | ASTM D445 | 38.1 | **39.5** | 52.4 | --- |

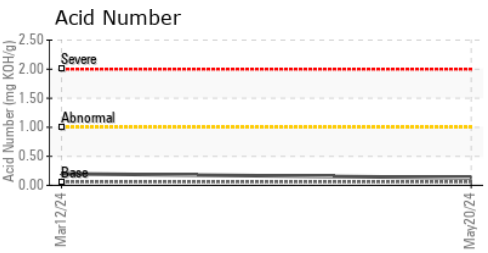
| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|
| Color | | |  | | *no image* |
| Bottom | | |  | | *no image* |

## GRAPHS




**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : UCH06199359
**Lab Number** : 06199359
**Unique Number** : 11061482
**Test Package** : IND 2

**Received** : 04 Jun 2024
**Tested** : 05 Jun 2024
**Diagnosed** : 05 Jun 2024 - Wes Davis

Certificate L2367

**LARSON AIR SUPPLY**

LAS VEGAS, NV
US
Contact: Service Manager
T:
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)*