



PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL

Area
(SN55-75/23)
 Machine Id
SULLAIR Sullair A
 Component
Screw Compressor
 Fluid
SULLAIR SULLUBE (7 GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. (Customer Sample Comment: Top Up Amount: 1 GAL)

PROBLEMATIC TEST RESULTS

| | | | | | | |
|---------------|--------|---------|------|-----------------|-----|-----|
| Sample Status | | | | ABNORMAL | --- | --- |
| White Metal | scalar | *Visual | NONE | ▲ MODER | --- | --- |

Customer Id: GOLEAG
 Sample No.: WC0765510
 Lab Number: 05820889
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

| Action | Status | Date | Done By | Description |
|--------|--------|------|---------|---|
| Alert | --- | --- | ? | We were unable to perform a particle count due to metal particles present in this sample. |

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Area
(SN55-75/23)
 Machine Id
SULLAIR Sullair A
 Component
Screw Compressor
 Fluid
SULLAIR SULLUBE (7 GAL)



DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. (Customer Sample Comment: Top Up Amount: 1 GAL)

Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

No other contaminants were detected in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-----------------|--------------------|----------|----------|
| Sample Number | Client Info | WC0765510 | --- | --- |
| Sample Date | Client Info | 11 Apr 2023 | --- | --- |
| Machine Age | hrs Client Info | 17981 | --- | --- |
| Oil Age | hrs Client Info | 4803 | --- | --- |
| Oil Changed | Client Info | Oil Added | --- | --- |
| Sample Status | | ABNORMAL | --- | --- |

WEAR METALS

| method | limit/base | current | history1 | history2 |
|--------------------------|------------|--------------|----------|----------|
| Iron ppm ASTM D5185m | >60 | 2 | --- | --- |
| Chromium ppm ASTM D5185m | >4 | 0 | --- | --- |
| Nickel ppm ASTM D5185m | | 0 | --- | --- |
| Titanium ppm ASTM D5185m | | 0 | --- | --- |
| Silver ppm ASTM D5185m | | 0 | --- | --- |
| Aluminum ppm ASTM D5185m | >5 | <1 | --- | --- |
| Lead ppm ASTM D5185m | >10 | 0 | --- | --- |
| Copper ppm ASTM D5185m | >30 | 1 | --- | --- |
| Tin ppm ASTM D5185m | >15 | 0 | --- | --- |
| Vanadium ppm ASTM D5185m | | 0 | --- | --- |
| Cadmium ppm ASTM D5185m | | 0 | --- | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|----------------------------|------------|--------------|----------|----------|
| Boron ppm ASTM D5185m | | 0 | --- | --- |
| Barium ppm ASTM D5185m | 745 | 990 | --- | --- |
| Molybdenum ppm ASTM D5185m | 0.0 | 0 | --- | --- |
| Manganese ppm ASTM D5185m | | <1 | --- | --- |
| Magnesium ppm ASTM D5185m | 0.0 | 9 | --- | --- |
| Calcium ppm ASTM D5185m | 1 | 13 | --- | --- |
| Phosphorus ppm ASTM D5185m | 3 | 98 | --- | --- |
| Zinc ppm ASTM D5185m | 0.1 | 119 | --- | --- |
| Sulfur ppm ASTM D5185m | 240 | 1930 | --- | --- |

CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|---------------------------|------------|-----------|----------|----------|
| Silicon ppm ASTM D5185m | >50 | 1 | --- | --- |
| Sodium ppm ASTM D5185m | | 43 | --- | --- |
| Potassium ppm ASTM D5185m | >20 | 10 | --- | --- |

FLUID DEGRADATION

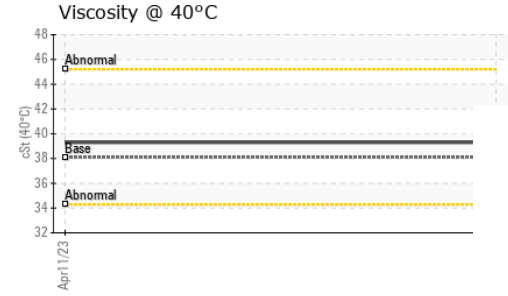
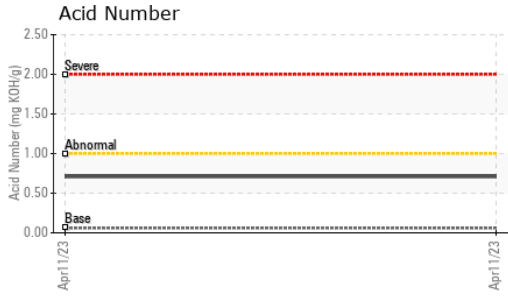
| method | limit/base | current | history1 | history2 |
|--------------------------------------|------------|-------------|----------|----------|
| Acid Number (AN) mg KOH/g ASTM D8045 | .06 | 0.71 | --- | --- |

VISUAL

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



OIL ANALYSIS REPORT



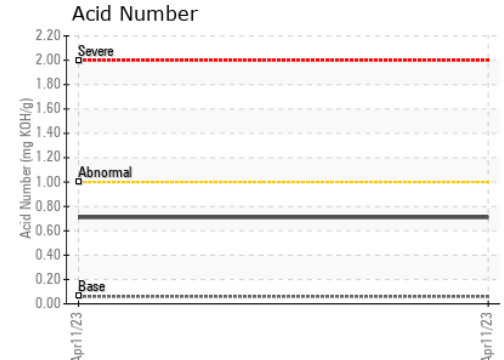
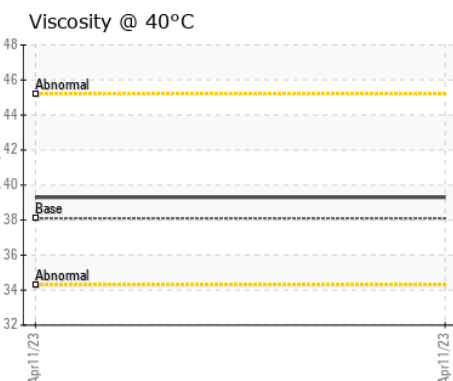
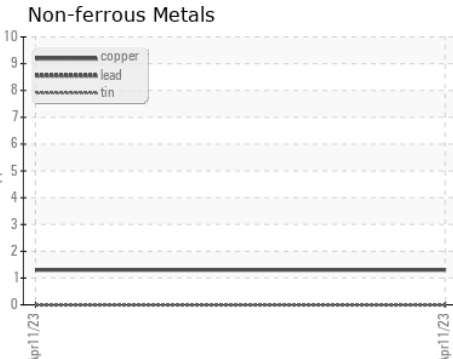
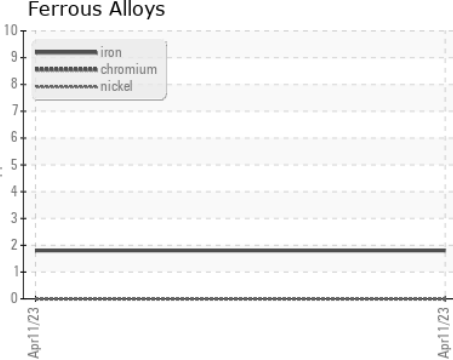
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 |
|-------------|---------------|---------|-------------|----------|
| Visc @ 40°C | cSt ASTM D445 | 38.1 | 39.3 | --- |

SAMPLE IMAGES

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0765510 **Received** : 14 Apr 2023
Lab Number : 05820889 **Diagnosed** : 18 Apr 2023
Unique Number : 10428972 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: PrtCount)

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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