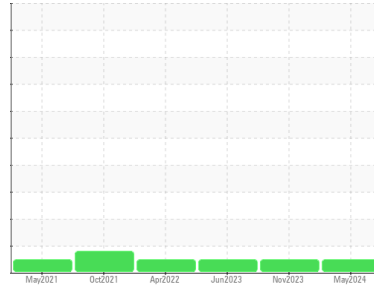




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**CFG-546 [O-SP2762703]**

Machine Id

**GARDNER DENVER S586646 - GRIMMWAY PREMIER**

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>UCH06206675</b> | UCH06009723 | UCH05893867 |
| Sample Date   | Client Info |             | <b>23 May 2024</b> | 07 Nov 2023 | 23 Jun 2023 |
| Machine Age   | hrs         | Client Info | <b>24700</b>       | 20280       | 17471       |
| Oil Age       | hrs         | Client Info | <b>7229</b>        | 2809        | 2585        |
| Oil Changed   | Client Info |             | <b>Changed</b>     | Not Changd  | 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        | 0  |
| Chromium | ppm    | ASTM D5185m | >10     | <b>&lt;1</b> | 0        | 0  |
| Nickel   | ppm    | ASTM D5185m |         | <b>0</b>     | 0        | 0  |
| Titanium | ppm    | ASTM D5185m |         | <b>&lt;1</b> | 0        | <1 |
| Silver   | ppm    | ASTM D5185m |         | <b>0</b>     | 0        | 0  |
| Aluminum | ppm    | ASTM D5185m | >25     | <b>2</b>     | 0        | <1 |
| Lead     | ppm    | ASTM D5185m | >25     | <b>0</b>     | 0        | 0  |
| Copper   | ppm    | ASTM D5185m | >50     | <b>&lt;1</b> | <1       | 0  |
| Tin      | ppm    | ASTM D5185m | >15     | <b>&lt;1</b> | 0        | 0  |
| Vanadium | ppm    | ASTM D5185m |         | <b>0</b>     | 0        | 0  |
| Cadmium  | ppm    | ASTM D5185m |         | <b>&lt;1</b> | 0        | 0  |

### ADDITIVES

|            | method | limit/base  | current | history1     | history2 |      |
|------------|--------|-------------|---------|--------------|----------|------|
| Boron      | ppm    | ASTM D5185m | 0       | <b>0</b>     | 0        | 0    |
| Barium     | ppm    | ASTM D5185m | 0       | <b>0</b>     | 2        | 0    |
| Molybdenum | ppm    | ASTM D5185m | 0       | <b>0</b>     | 0        | 0    |
| Manganese  | ppm    | ASTM D5185m | 0       | <b>0</b>     | 0        | 0    |
| Magnesium  | ppm    | ASTM D5185m | 1.2     | <b>&lt;1</b> | 0        | 4    |
| Calcium    | ppm    | ASTM D5185m | 0       | <b>0</b>     | 0        | 0    |
| Phosphorus | ppm    | ASTM D5185m | 295     | <b>193</b>   | 200      | 48   |
| Zinc       | ppm    | ASTM D5185m | 0       | <b>0</b>     | 0        | 6    |
| Sulfur     | ppm    | ASTM D5185m | 253     | <b>737</b>   | 1059     | 1383 |

### CONTAMINANTS

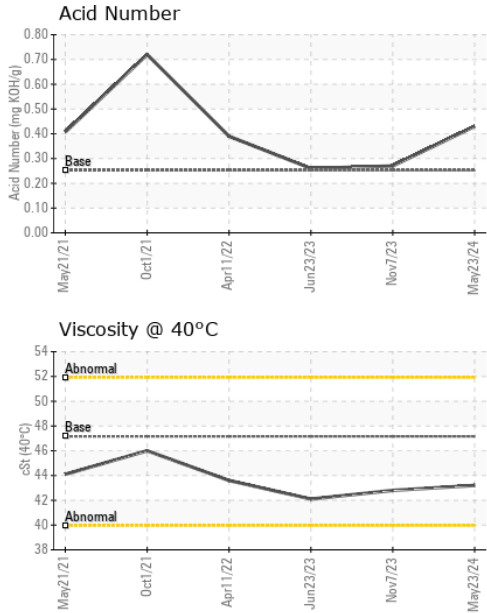
|           | method | limit/base  | current | history1     | history2 |    |
|-----------|--------|-------------|---------|--------------|----------|----|
| Silicon   | ppm    | ASTM D5185m | >25     | <b>&lt;1</b> | <1       | 0  |
| Sodium    | ppm    | ASTM D5185m |         | <b>0</b>     | 2        | <1 |
| Potassium | ppm    | ASTM D5185m | >20     | <b>&lt;1</b> | 0        | 0  |

### FLUID DEGRADATION

|                  | method   | limit/base | current | history1    | history2 |      |
|------------------|----------|------------|---------|-------------|----------|------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.252   | <b>0.43</b> | 0.27     | 0.26 |



# OIL ANALYSIS REPORT

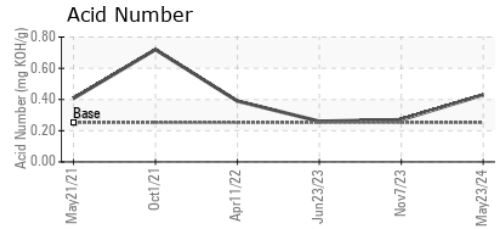
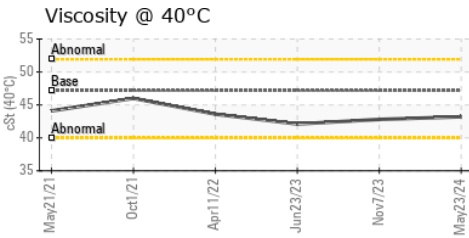
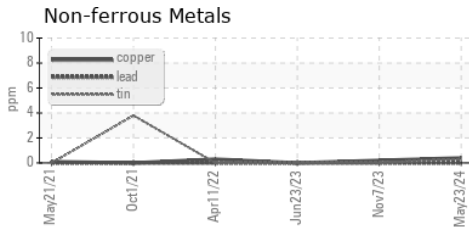
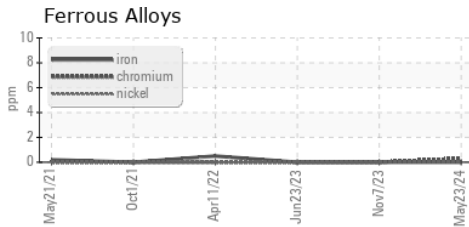


| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | NONE     |
| 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  | 47.16   | <b>43.2</b> | 42.8     | 42.1 |

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06206675      **Received** : 11 Jun 2024  
**Lab Number** : **06206675**      **Tested** : 13 Jun 2024  
**Unique Number** : 11074136      **Diagnosed** : 13 Jun 2024 - Wes Davis  
**Test Package** : IND 2

**CISCO AIR SYSTEMS**  
 214 27TH ST  
 SACRAMENTO, CA  
 US 95816  
 Contact: BARRY FRKOVICH  
 barryfrkovich@ciscoalr.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)

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F: x: