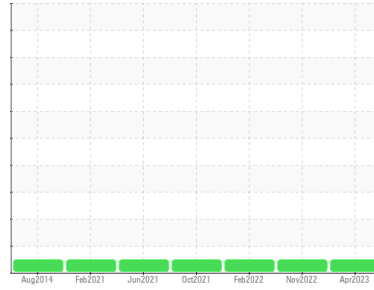




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**LTL PS3C**  
 Machine Id  
**DEKKER UMX0550KA1-00 A15651 - ALL CLAD**  
 Component  
**Compressor**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.  
 Please note that this is a corrected copy for laboratory data updates.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. Chlorine 67.9 ppm.

### 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>UCH05824161</b> | UCH05699076 | UCH05478016 |
| Sample Date   | Client Info |             | <b>18 Apr 2023</b> | 14 Nov 2022 | 14 Feb 2022 |
| Machine Age   | hrs         | Client Info | <b>71178</b>       | 70974       | 70932       |
| Oil Age       | hrs         | Client Info | <b>509</b>         | 305         | 1195        |
| Oil Changed   |             | Client Info | <b>N/A</b>         | N/A         | N/A         |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## WEAR METALS

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

## ADDITIVES

|            | method | limit/base       | current      | history1 | history2 |
|------------|--------|------------------|--------------|----------|----------|
| Boron      | ppm    | ASTM D5185m 0.8  | <b>0</b>     | 0        | 1        |
| Barium     | ppm    | ASTM D5185m 0    | <b>0</b>     | 0        | 0        |
| Molybdenum | ppm    | ASTM D5185m 0    | <b>0</b>     | <1       | <1       |
| Manganese  | ppm    | ASTM D5185m 0.2  | <b>&lt;1</b> | 0        | 0        |
| Magnesium  | ppm    | ASTM D5185m 0.4  | <b>1</b>     | 0        | <1       |
| Calcium    | ppm    | ASTM D5185m 0    | <b>4</b>     | 3        | 5        |
| Phosphorus | ppm    | ASTM D5185m 257  | <b>215</b>   | 208      | 259      |
| Zinc       | ppm    | ASTM D5185m 0    | <b>3</b>     | 0        | 2        |
| Sulfur     | ppm    | ASTM D5185m 2633 | <b>2592</b>  | 2098     | 2041     |

## CONTAMINANTS

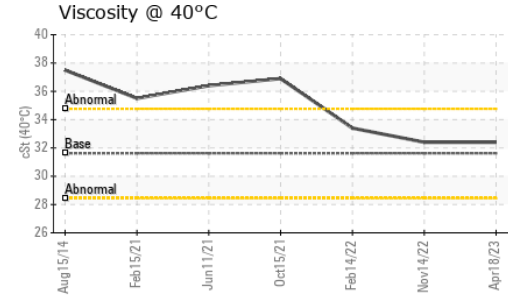
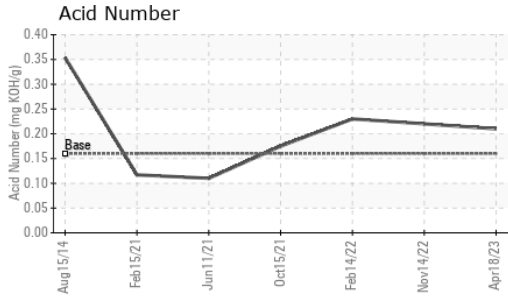
|                  | method | limit/base      | current     | history1 | history2 |
|------------------|--------|-----------------|-------------|----------|----------|
| Silicon          | ppm    | ASTM D5185m >25 | <b>3</b>    | 2        | 4        |
| Sodium           | ppm    | ASTM D5185m     | <b>6</b>    | 6        | 4        |
| Potassium        | ppm    | ASTM D5185m >20 | <b>0</b>    | 0        | 1        |
| Chlorine Content | ppm    | ASTM D5185m     | <b>67.9</b> | 5.66     | 0.000    |

## FLUID DEGRADATION

|                  | method   | limit/base      | current     | history1 | history2 |
|------------------|----------|-----------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.16 | <b>0.21</b> | 0.22     | 0.23     |



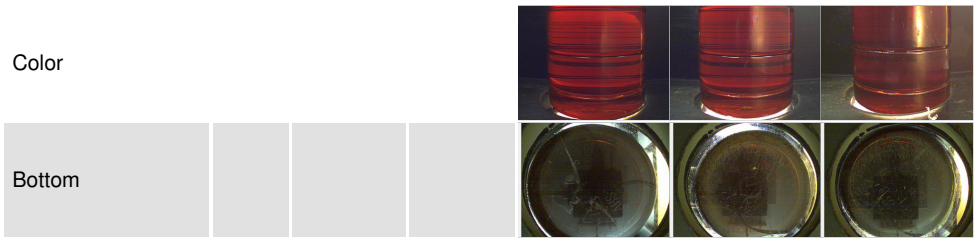
# OIL ANALYSIS REPORT



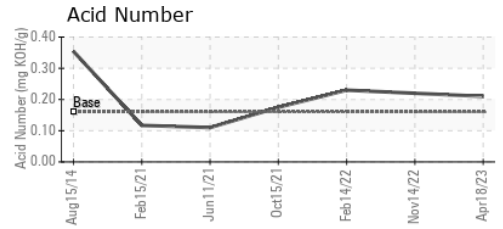
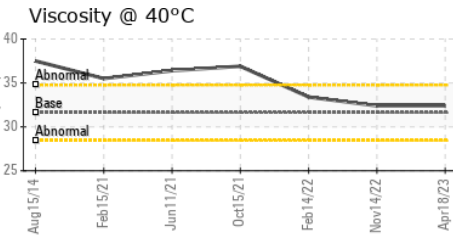
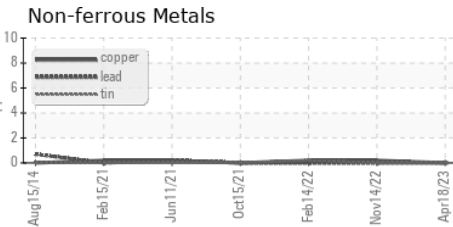
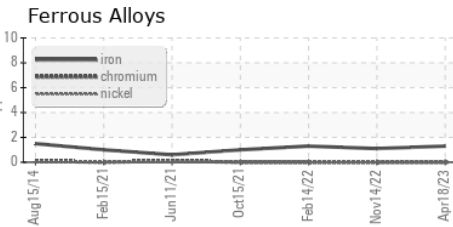
| VISUAL           | method | limit/base | current | history1     | history2 |       |
|------------------|--------|------------|---------|--------------|----------|-------|
| White Metal      | scalar | *Visual    | NONE    | <b>LIGHT</b> | NONE     | MODER |
| Yellow Metal     | scalar | *Visual  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

| FLUID PROPERTIES | method | limit/base | current | history1    | history2 |      |
|------------------|--------|------------|---------|-------------|----------|------|
| Visc @ 40°C      | cSt    | ASTM D445  | 31.62   | <b>32.4</b> | 32.4     | 33.4 |

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05824161 **Received** : 19 Apr 2023  
**Lab Number** : **05824161** **Diagnosed** : 25 Apr 2023  
**Unique Number** : 10432244 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: CHLORINEXRF )

**ROCKWELL EQUIPMENT & SUPPLY CO**  
 PO BOX 114  
 VERSAILLES, PA  
 US 15137  
 Contact: DINO PICCOLINO  
 DINOP@ROCKWELLEQUIPMENT.COM  
 T: (412)824-9903  
 F: (412)824-9271

Certificate L2367  
 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)