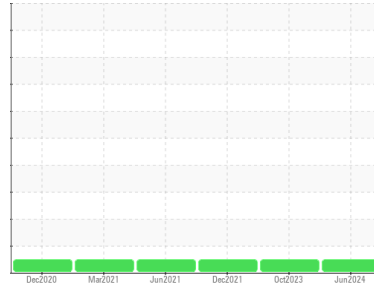




# OIL ANALYSIS REPORT

Area  
**DPA**  
Machine Id  
**KAESER 02613181 - THE GRANITE & MARBLE DEPOT**  
Component  
**Compressor**

Sample Rating Trend



**NORMAL**



## 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>UDI0000161</b>  | UCH05982461 | UCH05435536 |
| Sample Date   | Client Info |             | <b>03 Jun 2024</b> | 05 Oct 2023 | 17 Dec 2021 |
| Machine Age   | hrs         | Client Info | <b>45142</b>       | 43070       | 37361       |
| Oil Age       | hrs         | Client Info | <b>2072</b>        | 6000        | 2603        |
| Oil Changed   | Client Info |             | <b>Not Changed</b> | Changed     | Changed     |
| Sample Status |             |             | <b>NORMAL</b>      | NORMAL      | NORMAL      |

## CONTAMINATION

|       | method    | limit/base | current    | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.05      | <b>NEG</b> | NEG      | NEG      |

## WEAR METALS

|          | method | limit/base      | current      | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron     | ppm    | ASTM D5185m >50 | <b>0</b>     | 2        | 1        |
| Chromium | ppm    | ASTM D5185m >10 | <b>&lt;1</b> | 0        | 0        |
| Nickel   | ppm    | ASTM D5185m >3  | <b>0</b>     | 0        | 0        |
| Titanium | ppm    | ASTM D5185m >3  | <b>&lt;1</b> | 0        | 0        |
| Silver   | ppm    | ASTM D5185m >2  | <b>0</b>     | 0        | <1       |
| Aluminum | ppm    | ASTM D5185m >10 | <b>2</b>     | 0        | <1       |
| Lead     | ppm    | ASTM D5185m >10 | <b>0</b>     | 0        | 0        |
| Copper   | ppm    | ASTM D5185m >50 | <b>2</b>     | 7        | 22       |
| Tin      | ppm    | ASTM D5185m >10 | <b>&lt;1</b> | 0        | <1       |
| Antimony | ppm    | ASTM D5185m     | <b>---</b>   | ---      | 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 1.5  | <b>0</b>     | 0        | 11       |
| Barium     | ppm    | ASTM D5185m 0    | <b>0</b>     | 0        | 0        |
| Molybdenum | ppm    | ASTM D5185m 0    | <b>0</b>     | 0        | 0        |
| Manganese  | ppm    | ASTM D5185m 0.3  | <b>0</b>     | 0        | <1       |
| Magnesium  | ppm    | ASTM D5185m 0    | <b>&lt;1</b> | <1       | 13       |
| Calcium    | ppm    | ASTM D5185m 0    | <b>0</b>     | 0        | <1       |
| Phosphorus | ppm    | ASTM D5185m 406  | <b>162</b>   | 140      | 25       |
| Zinc       | ppm    | ASTM D5185m 0    | <b>35</b>    | 24       | 56       |
| Sulfur     | ppm    | ASTM D5185m 1283 | <b>1336</b>  | 2525     | 15488    |

## CONTAMINANTS

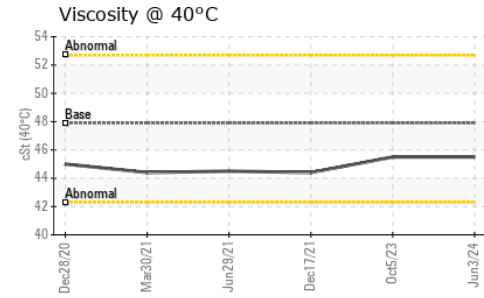
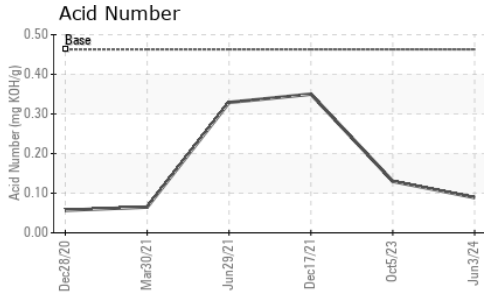
|           | method | limit/base      | current      | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >25 | <b>&lt;1</b> | <1       | 1        |
| Sodium    | ppm    | ASTM D5185m     | <b>0</b>     | <1       | 8        |
| 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 0.463 | <b>0.089</b> | 0.13     | 0.350    |



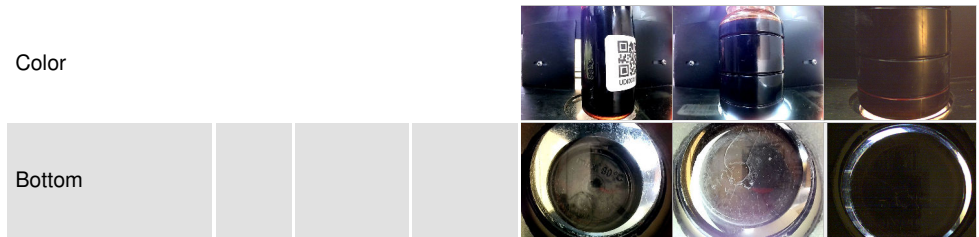
# OIL ANALYSIS REPORT



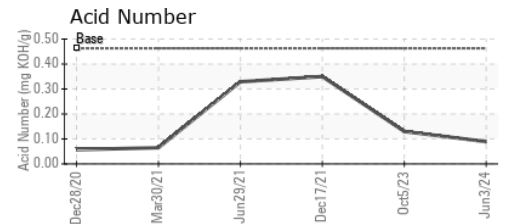
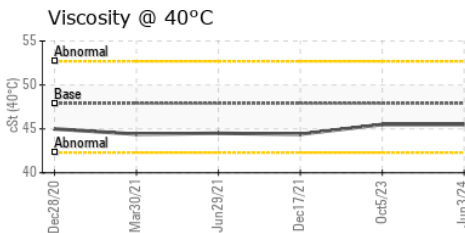
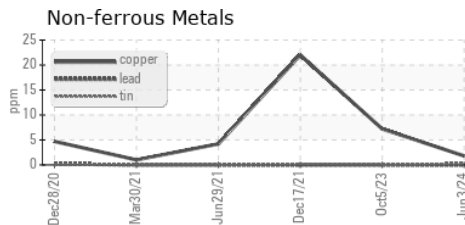
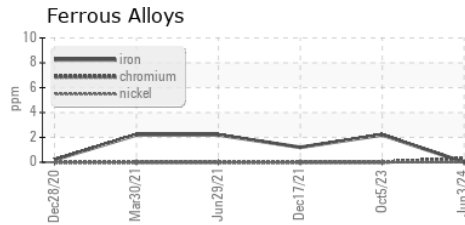
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | NONE     |
| Precipitate      | scalar | *Visual    | NONE    | NONE     | NONE     |
| Silt             | scalar | *Visual    | NONE    | NONE     | NONE     |
| Debris           | scalar | *Visual    | NONE    | MODER    | MODER    |
| Sand/Dirt        | scalar | *Visual    | NONE    | NONE     | NONE     |
| Appearance       | scalar | *Visual    | NORML   | NORML    | NORML    |
| Odor             | scalar | *Visual    | NORML   | NORML    | NORML    |
| Emulsified Water | scalar | *Visual    | >0.05   | NEG      | NEG      |
| Free Water       | scalar | *Visual    |         | NEG      | NEG      |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | 47.9    | 45.5     | 44.4     |

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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UDI0000161  
**Lab Number** : 06206634  
**Unique Number** : 11074095  
**Test Package** : IND 2

**Received** : 11 Jun 2024  
**Tested** : 13 Jun 2024  
**Diagnosed** : 13 Jun 2024 - Wes Davis

**DELTA INDUSTRIES - DOWNERS GROVE**  
 2201 CURTISS STREET  
 DOWNERS GROVE, IL  
 US 60515  
 Contact: MICHAEL FERRIS

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)

T: (630)960-3931