

# **OIL ANALYSIS REPORT**

Sample Rating Trend

**NORMAL** 

# **COOLANT PE INGERSOLL RAND CBV305371 - AQ MATIC**

Component Compressor



### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

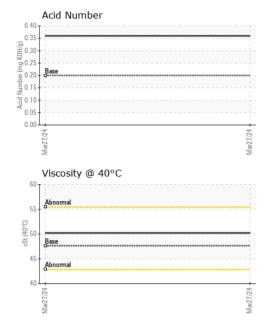
| SAMPLE INFORM | MATION | method      | limit/base | current     | history1 | history2 |
|---------------|--------|-------------|------------|-------------|----------|----------|
| Sample Number |        | Client Info |            | UCZ06143178 |          |          |
| Sample Date   |        | Client Info |            | 27 Mar 2024 |          |          |
| Machine Age   | hrs    | Client Info |            | 12052       |          |          |
| Oil Age       | hrs    | Client Info |            | 4911        |          |          |
| Oil Changed   |        | Client Info |            | Not Changd  |          |          |
| Sample Status |        |             |            | NORMAL      |          |          |
| CONTAMINATIO  | N      | method      | limit/base | current     | history1 | history2 |
| Water         |        | WC Method   | >0.1       | NEG         |          |          |
| WEAR METALS   |        | method      | limit/base | current     | history1 | history2 |
| Iron          | ppm    | ASTM D5185m | >50        | 0           |          |          |
| Chromium      | ppm    | ASTM D5185m | >10        | 0           |          |          |
| Nickel        | ppm    | ASTM D5185m |            | 0           |          |          |
| Titanium      | ppm    | ASTM D5185m |            | 0           |          |          |
| Silver        | ppm    | ASTM D5185m |            | 0           |          |          |
| Aluminum      | ppm    | ASTM D5185m | >25        | 0           |          |          |
| Lead          | ppm    | ASTM D5185m | >25        | 2           |          |          |
| Copper        | ppm    | ASTM D5185m | >50        | 27          |          |          |
| Tin           | ppm    | ASTM D5185m | >15        | <1          |          |          |
| Vanadium      | ppm    | ASTM D5185m |            | 0           |          |          |
| Cadmium       | ppm    | ASTM D5185m |            | 0           |          |          |
| ADDITIVES     |        | method      | limit/base | current     | history1 | history2 |
| Boron         | ppm    | ASTM D5185m | 0          | 0           |          |          |
| Barium        | ppm    | ASTM D5185m | 700        | 348         |          |          |
| Molybdenum    | ppm    | ASTM D5185m | 0          | 0           |          |          |
| Manganese     | ppm    | ASTM D5185m | 0          | <1          |          |          |
| Magnesium     | ppm    | ASTM D5185m | 0          | 0           |          |          |
| Calcium       | ppm    | ASTM D5185m | 0          | 0           |          |          |
| Phosphorus    | ppm    | ASTM D5185m | 0          | 0           |          |          |
| Zinc          | ppm    | ASTM D5185m | 0          | 42          |          |          |
| Sulfur        | ppm    | ASTM D5185m | 630        | 0           |          |          |
| CONTAMINANTS  | 3      | method      | limit/base | current     | history1 | history2 |
| Silicon       | ppm    | ASTM D5185m | >25        | <1          |          |          |
| Sodium        | ppm    | ASTM D5185m |            | 48          |          |          |
| Potassium     | ppm    | ASTM D5185m | >20        | 4           |          |          |
| FLUID DEGRADA | NOITA  | method      | limit/base | current     | history1 | history2 |
|               |        |             |            |             |          |          |

Acid Number (AN) mg KOH/g ASTM D8045 0.200

0.36



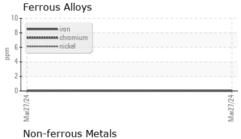
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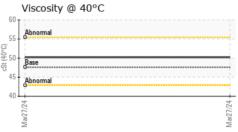


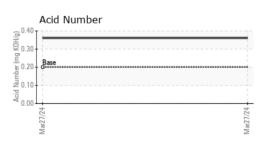
| SAMPLE IMAGES | method |  | history1 | history2 |
|---------------|--------|--|----------|----------|
| Color         |        |  | no image | no image |
| Bottom        |        |  | no image | no image |

## **GRAPHS**



| 30 T                 |      |           |
|----------------------|------|-----------|
| copper               |      |           |
| 20 + management lead |      |           |
|                      |      |           |
| :                    |      |           |
| 10+                  |      |           |
|                      |      |           |
| 2                    | <br> |           |
| 0                    |      | 4         |
| Mar27/24             |      | C) LC act |
| ar2                  |      | S.        |
| Ě                    |      | ž         |
| Viscosity @ 40°C     |      |           |









Certificate 12367

Laboratory Sample No.

Lab Number : 06143178

: UCZ06143178 Unique Number : 10967986 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Apr 2024 **Tested** : 10 Apr 2024 Diagnosed

: 11 Apr 2024 - Sean Felton

227 AMBROSIO DR, SUITE A GURNEE, IL US 60031 Contact: Rachel Pesnikov

**ZORN COMPRESSOR EQUIPMENT** 

rachel.pesnikov@zornair.com T: (847)599-1333

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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