

OIL ANALYSIS REPORT

NORMAL





Core Science Build Ch #3 [GTT224-338] TRANE CAG168A(3) Component Chiller

TRANE 0022 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

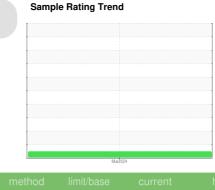
All component wear rates are normal.

Contamination

The water content is negligible. 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 INFORM | MATION | method | limit/base | current | history1 | history2 |
|------------------|----------|---------------|------------|-------------|----------|----------|
| Sample Number | | Client Info | | GTT0002255 | | |
| Sample Date | | Client Info | | 13 Mar 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185(m) | >8 | <1 | | |
| Chromium | ppm | ASTM D5185(m) | >2 | 0 | | |
| Nickel | ppm | ASTM D5185(m) | | 0 | | |
| Titanium | ppm | ASTM D5185(m) | | 0 | | |
| Silver | ppm | ASTM D5185(m) | >2 | 0 | | |
| Aluminum | ppm | ASTM D5185(m) | >3 | 0 | | |
| Lead | ppm | ASTM D5185(m) | >2 | 0 | | |
| Copper | ppm | ASTM D5185(m) | >8 | <1 | | |
| Tin | ppm | ASTM D5185(m) | >4 | 0 | | |
| Antimony | ppm | ASTM D5185(m) | | 0 | | |
| Vanadium | ppm | ASTM D5185(m) | | 0 | | |
| Beryllium | ppm | ASTM D5185(m) | | 0 | | |
| Cadmium | ppm | ASTM D5185(m) | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185(m) | 0 | 0 | | |
| Barium | ppm | ASTM D5185(m) | 0 | <1 | | |
| Molybdenum | ppm | ASTM D5185(m) | 0 | 0 | | |
| Manganese | ppm | ASTM D5185(m) | 0 | 0 | | |
| Magnesium | ppm | ASTM D5185(m) | 0 | <1 | | |
| Calcium | ppm | ASTM D5185(m) | 0 | 0 | | |
| Phosphorus | ppm | ASTM D5185(m) | 35 | 0 | | |
| Zinc | ppm | ASTM D5185(m) | 0 | 1 | | |
| Sulfur | ppm | ASTM D5185(m) | 30 | 30 | | |
| Lithium | ppm | ASTM D5185(m) | | <1 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | >15 | 14 | | |
| Sodium | ppm | ASTM D5185(m) | | <1 | | |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | | |
| ppm Water | ppm | ASTM D6304* | >50 | 5 | | |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D974* | 0.05 | 0.05 | | |



OIL ANALYSIS REPORT

| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | | |
| 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 | | |
| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 47 | 39.6 | | |
| SAMPLE IMAGES | | method | limit/base | current | history1 | history2 |
| Color | | | | | | |
| Outo | | | | | no image | no image |
| Bottom | | | | | no image | no image |



 Sample No.
 : GTT0002255
 Received
 : 22 Mar 2024

 Lab Number
 : 02624088
 Tested
 : 26 Mar 2024

 Unique Number
 : 5749207
 Diagnosed
 : 26 Mar 2024

Unique Number : 5749207 Diagnosed : 26 Mar 2024 - Bill Quesnel Test Package : IND 2 (Additional Tests: KV40)

To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.

Contact: Service Manager invoices@ainsworth.com
e) tested at external lab.
s, of a commercial nature, resulting from any cause.

Contact: Service Manager invoices@ainsworth.com
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Contact/Location: Service Manager - GTT0000006

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