

OIL ANALYSIS REPORT

Area IR ULTRA COOLANT Machine Id INGERSOLL RAND CBV899397 - AMEREN

Component Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

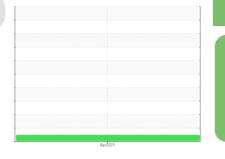
All component wear rates are normal.

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 Rating Trend

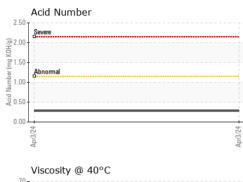


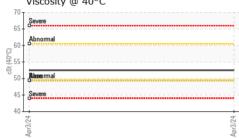
NORMAL

| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
|------------------|---------------|-------------|------------|-------------|----------|----------|
| Sample Number | | Client Info | | UCH06154512 | | |
| Sample Date | | Client Info | | 03 Apr 2024 | | |
| Machine Age | hrs | Client Info | | 2092 | | |
| Oil Age | hrs | Client Info | | 2092 | | |
| 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 | <1 | | |
| Chromium | ppm | ASTM D5185m | >10 | <1 | | |
| Nickel | ppm | ASTM D5185m | | 0 | | |
| Titanium | ppm | ASTM D5185m | | <1 | | |
| Silver | ppm | ASTM D5185m | | <1 | | |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | | |
| Lead | ppm | ASTM D5185m | >25 | 0 | | |
| Copper | ppm | ASTM D5185m | >50 | <1 | | |
| Tin | ppm | ASTM D5185m | >15 | <1 | | |
| Vanadium | ppm | ASTM D5185m | | <1 | | |
| Cadmium | ppm | ASTM D5185m | | <1 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 0 | 0 | | |
| Barium | ppm | ASTM D5185m | 500 | 787 | | |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | | |
| Manganese | ppm | ASTM D5185m | | 0 | | |
| Magnesium | ppm | ASTM D5185m | 0 | 2 | | |
| Calcium | ppm | ASTM D5185m | 0 | 6 | | |
| Phosphorus | ppm | ASTM D5185m | 20 | 1 | | |
| Zinc | ppm | ASTM D5185m | 0 | <1 | | |
| Sulfur | ppm | ASTM D5185m | 200 | 320 | | |
| CONTAMINANTS | ; | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 2 | | |
| Sodium | ppm | ASTM D5185m | | 17 | | |
| Potassium | ppm | ASTM D5185m | >20 | 9 | | |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.28 | | |



OIL ANALYSIS REPORT





| White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Image Precipitate scalar *Visual NONE NONE NONE Image Silt scalar *Visual NONE NONE NONE Image Debris scalar *Visual NONE NONE NONE Image |
|--|
| Precipitate scalar *Visual NONE NONE Silt scalar *Visual NONE NONE I Debris scalar *Visual NONE LIGHT I Sand/Dirt scalar *Visual NONE NONE I Appearance scalar *Visual NORML NORML I Odor scalar *Visual NORML NORML I Emulsified Water scalar *Visual NORML NORML I Free Water scalar *Visual >0.1 NEG I Visc @ 40°C cSt ASTM D45 49.4 52.5 SAMPLE IMAGES method Imit/base current history1 Color Color I Imit/base current history1 Bottom I I Imit/base no image I Imit/base no image I GRAPHS Image Image |
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| Color Image Bottom Image GRAPHS Image |
| Bottom no image no image GRAPHS |
| GRAPHS |
| |
| Non-ferrous Metals |
| Viscosity @ 40°C Acid Number |
| Severe Severe 65 Abnormal Abnormal 60 45 Severe 45 Severe 45 Severe 45 Severe 45 Severe 45 Severe 40 FZEPGY |

To discuss this sample report, con

* - 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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Certificate L2367

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