

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area Mot GIVEN A8-N Component Gearbox

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

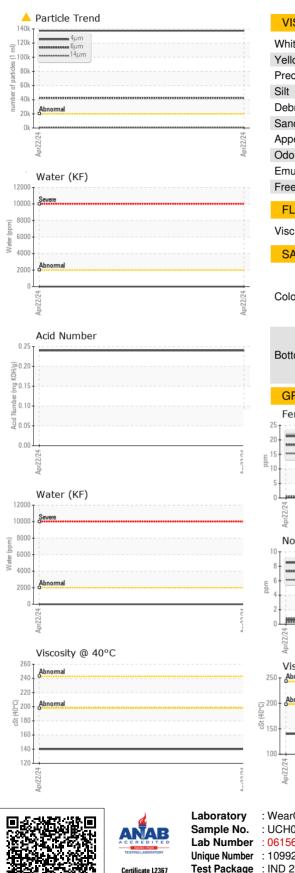
Fluid Condition

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

| SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 |
|--|--------|--------------------------|------------|----------------|----------|----------|
| Sample Number | | Client Info | | UCH06156981 | | |
| Sample Date | | Client Info | | 22 Apr 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | ABNORMAL | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >200 | 22 | | |
| Chromium | ppm | ASTM D5185m | >15 | <1 | | |
| Nickel | ppm | ASTM D5185m | >15 | <1 | | |
| Titanium | ppm | ASTM D5185m | | <1 | | |
| Silver | ppm | ASTM D5185m | | <1 | | |
| Aluminum | ppm | ASTM D5185m | >25 | 3 | | |
| Lead | ppm | ASTM D5185m | >100 | <1 | | |
| Copper | ppm | ASTM D5185m | >200 | <1 | | |
| Tin | ppm | ASTM D5185m | >25 | <1 | | |
| Vanadium | ppm | ASTM D5185m | | <1 | | |
| Cadmium | ppm | ASTM D5185m | | <1 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | | |
| Barium | ppm | ASTM D5185m | | 0 | | |
| Volybdenum | ppm | ASTM D5185m | | <1 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | | <1 | | |
| Calcium | ppm | ASTM D5185m | | 1 | | |
| Phosphorus | ppm | ASTM D5185m | | 442 | | |
| Zinc | ppm | ASTM D5185m | | 0 | | |
| Sulfur | ppm | ASTM D5185m | | 564 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >50 | 5 | | |
| Sodium | ppm | ASTM D5185m | | 0 | | |
| Potassium | ppm | ASTM D5185m | >20 | 2 | | |
| Water | % | ASTM D6304 | | 0.00 | | |
| opm Water | ppm | ASTM D6304 | | 0 | | |
| FLUID CLEANLIN | ESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >20000 | 1 37434 | | |
| Particles >6µm | | ASTM D7647 | >5000 | <u> </u> | | |
| Particles >14µm | | ASTM D7647 | >640 | A 852 | | |
| | | ASTM D7647 | >160 | <u> </u> | | |
| Particles >21µm | | | >40 | 5 | | |
| | | ASTM D7647 | 240 | 5 | | |
| Particles >38µm | | ASTM D7647 ASTM D7647 | >10 | 1 | | |
| Particles >21μm Particles >38μm Particles >71μm Oil Cleanliness | | | | | | |
| Particles >38µm Particles >71µm | | ASTM D7647 | >10 | 1 | | |



OIL ANALYSIS REPORT



To discuss this samp * - Denotes test meth

Statements of confor

Report Id: UCCORROC [WUSCAR] 06156981 (Generated: 04/25/2024 07:59:18) Rev: 1

Page 2 of 2

| White Metal Yellow Metal | | method | limit/base | current | history1 | histor |
|--|--------|-----------|--|------------------|----------|---------|
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| | 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 | | |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | | |
| Free Water | scalar | *Visual | | NEG | | |
| FLUID PROPERT | IES | method | limit/base | current | history1 | histor |
| Visc @ 40°C | cSt | ASTM D445 | | 140 | | |
| SAMPLE IMAGES | S | method | limit/base | current | history1 | histor |
| | | | | | | |
| Color | | | | n | no image | no imag |
| | | | | | | |
| | | | | | | |
| Bottom | | | | | no image | no imag |
| GRAPHS | | | | | | |
| Ferrous Alloys | | | | Particle Coun | + | |
| ²⁵ T | | | 491,520 | | | |
| 20 - iron chromium | | | 122,880 | Severe | | |
| E 15 nickel | | | | | | |
| | | | | | | |
| | | | 30,720 | Abnormal | | |
| 5 | | | 7,680 | Abnormal | | |
| 5 | | | 7,680 | Abnormal | | |
| 5 | | | 7,680 | Abnormal | | |
| s 0 Horizon Won-ferrous Metal | | | 7,680 | Abnormal | | |
| Apr22/24 | | | 7,680 | | | |
| Non-ferrous Metal | | | 7,680 +2/22/24 +2/22 +2/2 + -2/2 +2/2 + | | | |
| Non-ferrous Metal | | | 7,680 | | | |
| Non-ferrous Metal | | | 7,680 +2/22/24 +2/22 +2/2 + -2/2 +2/2 + | | | |
| Non-ferrous Metal | | | 7,680 4,022 4,022 4,022 4,02 4, | | | |
| Non-ferrous Metal | | | 7,680 4,022 4,022 4,022 4,02 4, | | | |
| Non-ferrous Metal | | | 7.680 F272724 F27272724 F272724 F272724 F272724 F272724 F272724 F272724 F272724 F272747 F272747 F272747 F272747 F272747 F272747 F272747 F272747 F272747 F272747 F272747 F272747 F272747 F277777777777777777777777777777777777 | и 6µ | 14μ 21μ | 38μ 7 |
| Non-ferrous Metal | | | 480 470 470 470 470 470 470 470 470 470 47 | μ Acid Number | | 38μ |
| Non-ferrous Metal | | | 480 470 470 470 470 470 470 470 470 470 47 | μ Acid Number | | 38μ |
| Non-ferrous Metal | | | 480 470 470 470 470 470 470 470 470 470 47 | μ Acid Number | | 38µ |
| Non-ferrous Metal | | | 480 470 470 470 470 470 470 470 470 470 47 | μ Acid Number | | 38µ 7 |
| Non-ferrous Metal | | | 480 470 470 470 470 470 470 470 470 470 47 | μ Acid Number | | 38μ |
| Non-ferrous Metal | | | F2722104 +2722104 +2722104 +2722104 +2722104 +2722104 | μ Acid Number | | 38µ 7 |