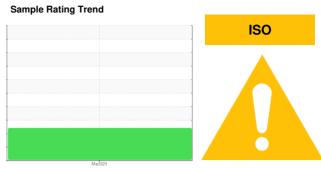


OIL ANALYSIS REPORT

AAA **MAZAK 281002**

Spindel

FUCHS RENOLIN ZAF B 2 HT ZINC FREE (



DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

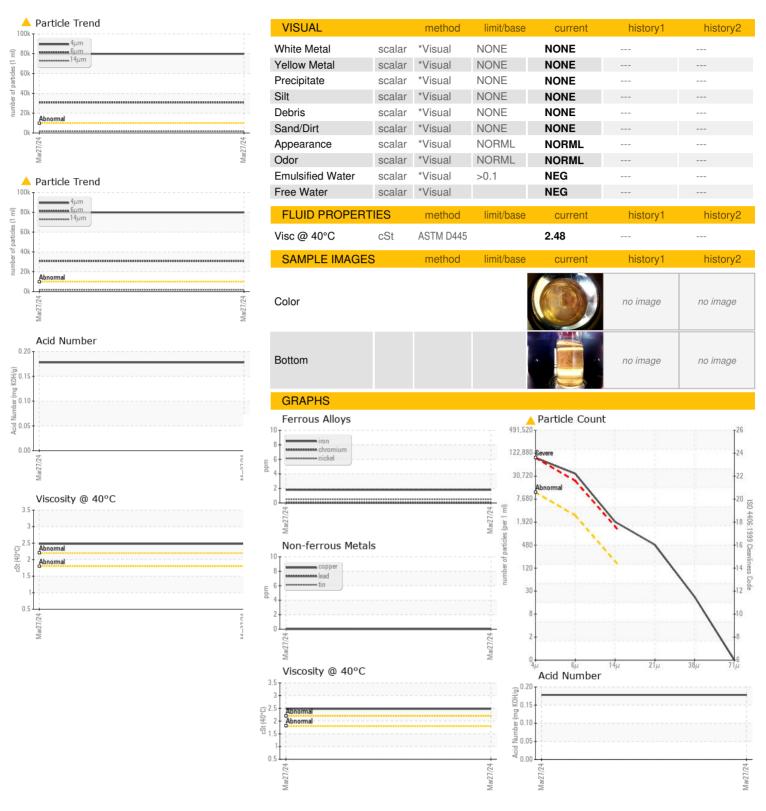
Fluid Condition

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

| 18 GAL) | | | | Mar2024 | | |
|------------------|----------|--------------|------------|-----------------|----------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | FCH0000021 | | |
| Sample Date | | Client Info | | 27 Mar 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 | >100 | 2 | | |
| Chromium | ppm | ASTM D5185m | >2 | 0 | | |
| Nickel | ppm | ASTM D5185m | >2 | <1 | | |
| Titanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >2 | 0 | | |
| Lead | ppm | ASTM D5185m | >25 | 0 | | |
| Copper | ppm | ASTM D5185m | >7 | 0 | | |
| Tin | ppm | ASTM D5185m | >10 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | | |
| Barium | ppm | ASTM D5185m | | 1 | | |
| Molybdenum | ppm | ASTM D5185m | | 0 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | | 0 | | |
| Calcium | ppm | ASTM D5185m | | 0 | | |
| Phosphorus | ppm | ASTM D5185m | | 4 | | |
| Zinc | ppm | ASTM D5185m | | 32 | | |
| Sulfur | ppm | ASTM D5185m | | 454 | | |
| CONTAMINANTS | 3 | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >20 | 1 | | |
| Sodium | ppm | ASTM D5185m | | 2 | | |
| Potassium | ppm | ASTM D5185m | >20 | <1 | | |
| Water | % | ASTM D6304 | >0.1 | NEG | | |
| FLUID CLEANLIN | NESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >10000 | ^ 79824 | | |
| Particles >6µm | | ASTM D7647 | >2500 | △ 30790 | | |
| Particles >14µm | | ASTM D7647 | >160 | <u> </u> | | |
| Particles >21µm | | ASTM D7647 | >40 | 430 | | |
| Particles >38μm | | ASTM D7647 | >10 | <u> </u> | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/14 | <u>23/22/18</u> | | |
| FLUID DEGRADA | ATION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.178 | | |



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

Laboratory Lab Number : 06141886

Test Package : PLANT

: FCH0000021 Unique Number : 10966694

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 08 Apr 2024 : 10 Apr 2024 Diagnosed

: 10 Apr 2024 - Doug Bogart

2400 SAGAMORE PKWY S #2400 LAFAYETTE, IN US 47905 Contact: Service Manager

DANA - FAIRFIELD CUSTOM GEARS AND DRIVES

Jeffrey.Alexander@fuchs.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

Report Id: UCDANLAF [WUSCAR] 06141886 (Generated: 05/08/2024 14:02:53) Rev: 1

Submitted By: GODWIN GEORGE

T:

F: