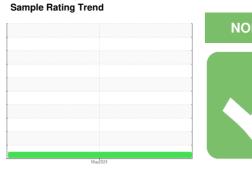


OIL ANALYSIS REPORT



Spindel

FUCHS RENOLIN ZAF B 2 HT ZINC FREE (1





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. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

| 19 GAL) | | | | May2024 | | |
|-----------------|--------|--------------|------------|-------------|----------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | FCH0000077 | | |
| Sample Date | | Client Info | | 09 May 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 D5185m | >100 | 3 | | |
| Chromium | ppm | ASTM D5185m | >2 | 0 | | |
| Nickel | ppm | ASTM D5185m | >2 | 0 | | |
| 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 | <1 | | |
| 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 | | 0 | | |
| Molybdenum | ppm | ASTM D5185m | | 0 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | | 0 | | |
| Calcium | ppm | ASTM D5185m | | 0 | | |
| Phosphorus | ppm | ASTM D5185m | | 41 | | |
| Zinc | ppm | ASTM D5185m | | 13 | | |
| Sulfur | ppm | ASTM D5185m | | 1450 | | |
| CONTAMINANTS | 6 | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >20 | 0 | | |
| Sodium | ppm | ASTM D5185m | | 2 | | |
| Potassium | ppm | ASTM D5185m | >20 | 0 | | |
| Water | % | ASTM D6304 | >0.1 | NEG | | |
| FLUID CLEANLIN | NESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >10000 | 502 | | |
| Particles >6µm | | ASTM D7647 | >2500 | 153 | | |
| Particles >14µm | | ASTM D7647 | >160 | 8 | | |
| Particles >21µm | | ASTM D7647 | | 2 | | |
| Particles >38µm | | ASTM D7647 | >10 | 0 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/14 | 16/14/10 | | |
| FLUID DEGRADA | NOITA | method | limit/base | current | history1 | history2 |
| | 1/011/ | 40TM D0045 | | | | |

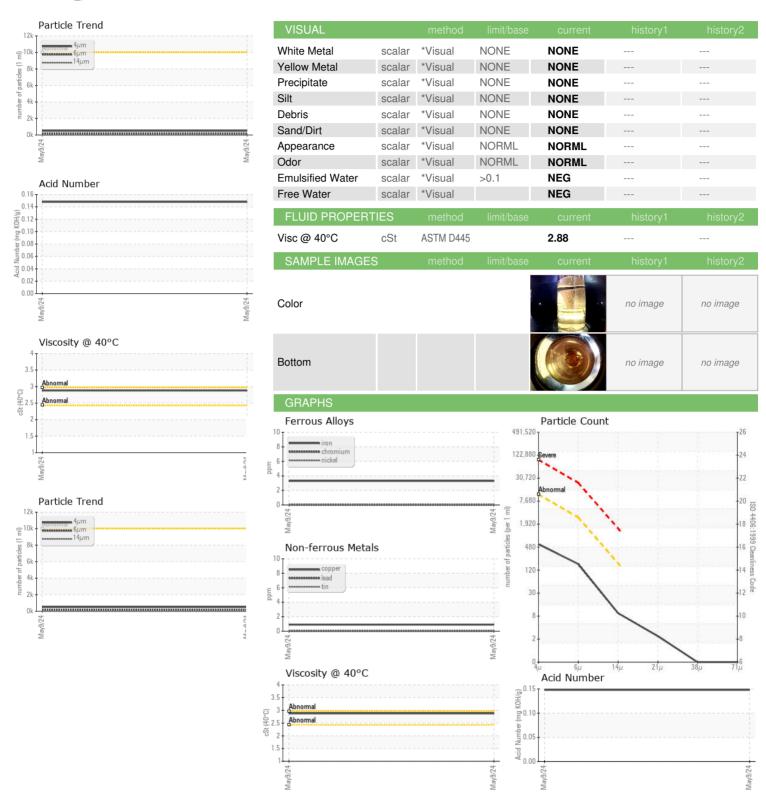
0.148

Acid Number (AN)

mg KOH/g ASTM D8045



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06182328 Unique Number : 11033654

Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : FCH0000077 Received : 16 May 2024 **Tested**

: 21 May 2024 Diagnosed : 21 May 2024 - Jonathan Hester

DANA - FAIRFIELD CUSTOM GEARS AND DRIVES 2400 SAGAMORE PKWY S #2400 LAFAYETTE, IN US 47905

Contact: Service Manager To discuss this sample report, contact Customer Service at 1-800-237-1369. Jeffrey.Alexander@fuchs.com

 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)

T:

F: