

OIL ANALYSIS REPORT

Sample Rating Trend



Conveyor 22

Drive End Conveyor Gearbox Fluid

SCHAEFFER 293A SUPREME GEAR LUBE NO TACK 220 (7 QTS)

DIAGNOSIS

Area

Recommendation

We advise that you check all areas where dirt can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor.

A Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

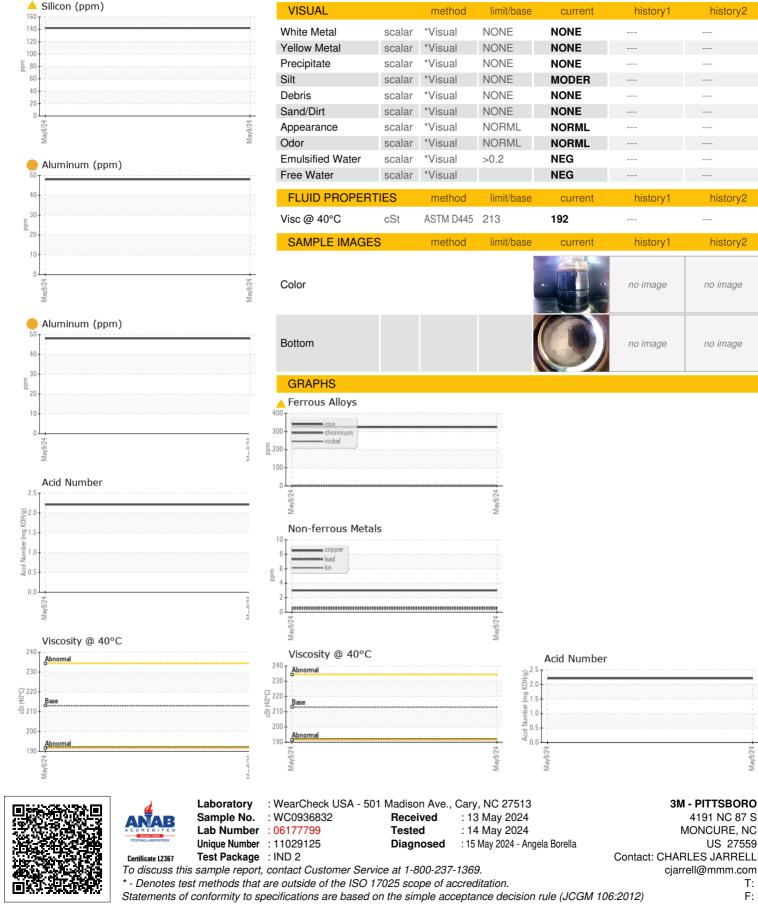
Fluid Condition

The condition of the oil is acceptable for the time in service.

| SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 |
|------------------|----------|-------------|------------|-------------------|----------|----------|
| Sample Number | | Client Info | | WC0936832 | | |
| Sample Date | | Client Info | | 09 May 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Not Changd | | |
| Sample Status | | | | ABNORMAL | | |
| CONTAMINATION | N | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.2 | NEG | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >200 | A 324 | | |
| Chromium | ppm | ASTM D5185m | >10 | 1 | | |
| Nickel | ppm | ASTM D5185m | >10 | 2 | | |
| Titanium | ppm | ASTM D5185m | | 4 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | | <mark> </mark> 48 | | |
| Lead | ppm | ASTM D5185m | | <1 | | |
| Copper | ppm | ASTM D5185m | | 3 | | |
| Tin | ppm | ASTM D5185m | | <1 | | |
| Vanadium | ppm | ASTM D5185m | | <1 | | |
| Cadmium | ppm | ASTM D5185m | | <1 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 69 | | |
| Barium | ppm | ASTM D5185m | | 1 | | |
| Molybdenum | ppm | ASTM D5185m | | 294 | | |
| Manganese | ppm | ASTM D5185m | | 3 | | |
| Magnesium | ppm | ASTM D5185m | | 22 | | |
| Calcium | ppm | ASTM D5185m | | 60 | | |
| Phosphorus | ppm | ASTM D5185m | | 1004 | | |
| Zinc | ppm | ASTM D5185m | | 17 | | |
| Sulfur | ppm | ASTM D5185m | | 26558 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | | <u> </u> | | |
| Sodium | ppm | ASTM D5185m | | 15 | | |
| Potassium | ppm | ASTM D5185m | >20 | 8 | | |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 2.21 | | |



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Report Id: THRPIT [WUSCAR] 06177799 (Generated: 05/15/2024 17:38:34) Rev: 1

Submitted By: JORDAN TUTEN

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