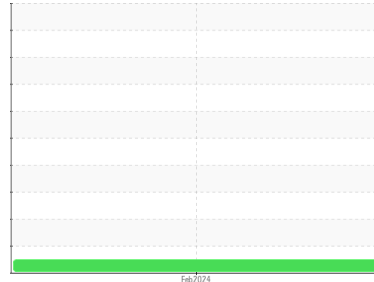




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
311
 Component
Compressor
 Fluid
VILTER SF PAO 150 (--- QTS)

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 INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | WC0858369 | --- | --- |
| Sample Date | Client Info | | 19 Feb 2024 | --- | --- |
| Machine Age | hrs | Client Info | 2272 | --- | --- |
| Oil Age | hrs | Client Info | 2272 | --- | --- |
| Oil Changed | Client Info | | Not Changed | --- | --- |
| Sample Status | | | NORMAL | --- | --- |

CONTAMINATION

| | 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 | 2 | --- | --- |
| Chromium | ppm | ASTM D5185m >5 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185m >15 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m >65 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m >65 | 2 | --- | --- |
| Tin | ppm | ASTM D5185m >10 | <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 | 10 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m | 10 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 0 | --- | --- |
| Zinc | ppm | ASTM D5185m | 15 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 0 | --- | --- |

CONTAMINANTS

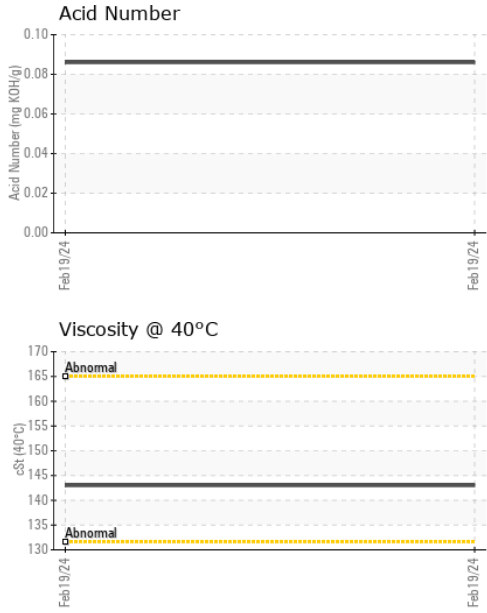
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >35 | 11 | --- | --- |
| Sodium | ppm | ASTM D5185m | 11 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | <1 | --- | --- |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|------------|--------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.086 | --- | --- |



OIL ANALYSIS REPORT



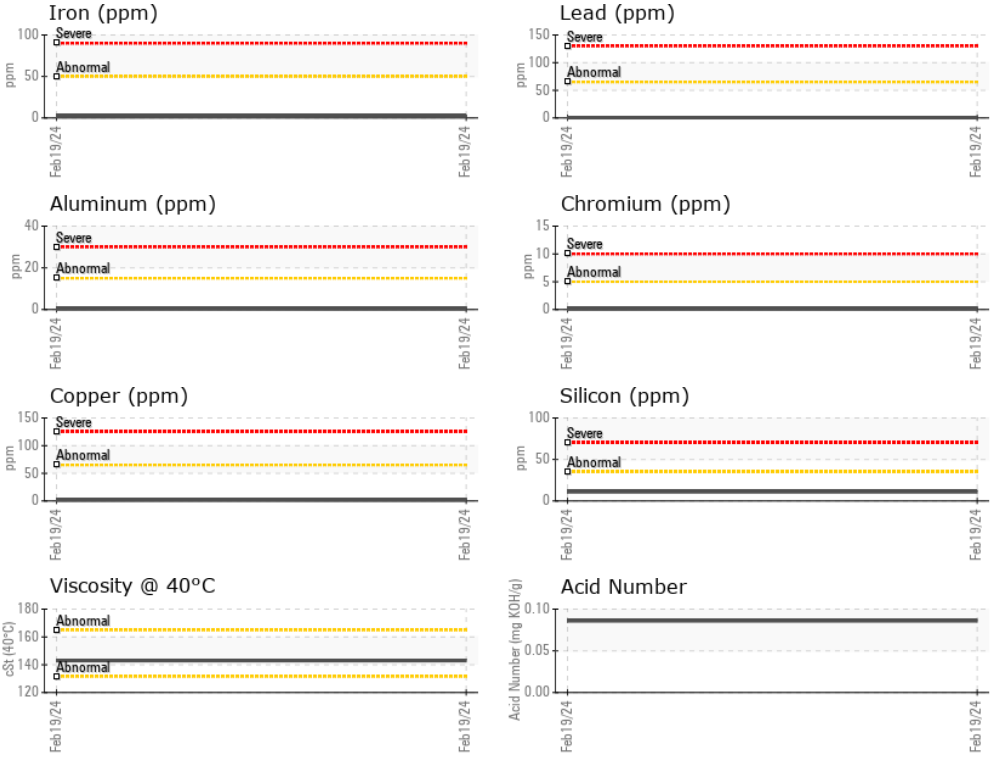
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- |
| Silt | scalar | *Visual | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | LIGHT | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 143 | --- | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|

| | | | | | | |
|--------|--|--|--|----------|----------|----------|
| Color | | | | no image | no image | no image |
| Bottom | | | | no image | no image | no image |

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0858369
Lab Number : 06099281
Unique Number : 10897511
Test Package : MOB 2
Received : 23 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 28 Feb 2024 - Jonathan Hester

TERREVA RENEWABLES - SP5A
 1 BOB FOELLER DR
 SUFFOLK, VA
 US 23434
 Contact: PHIL PRIEBE
 ppriebe@terrevarenewables.com
 T: (815)671-3576
 F:

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