OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id
511
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
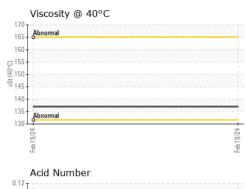There is no indication of any contamination in the oil.

Fluid Condition
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.
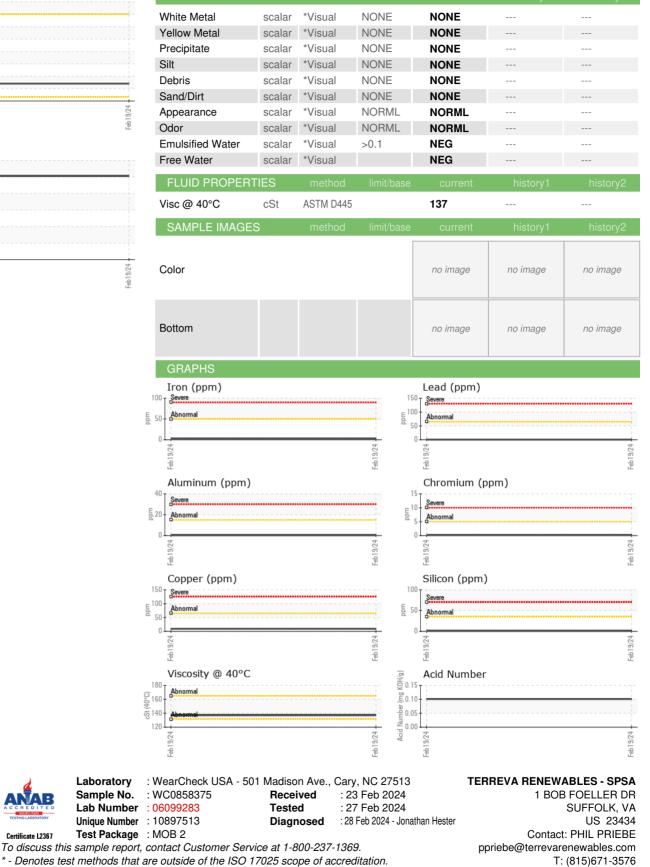
SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number		Client Info	WC0858375	---	---
Sample Date		Client Info	19 Feb 2024	---	---
Machine Age	hrs	Client Info	23	---	---
Oil Age	hrs	Client Info	23	---	---
Oil Changed		Client Info	Not Changd	---	---
Sample Status			NORMAL	---	---

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	3	---	---
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	9	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		<1	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		14	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		12	---	---
Phosphorus	ppm	ASTM D5185m		0	---	---
Zinc	ppm	ASTM D5185m		14	---	---
Sulfur	ppm	ASTM D5185m		0	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<1	---	---
Sodium	ppm	ASTM D5185m		0	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.101	---	---

Viscosity @ 40°C

Acid Number

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	**NONE**	---	---
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	**137**	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS

Iron (ppm)

Lead (ppm)

Aluminum (ppm)

Chromium (ppm)

Copper (ppm)

Silicon (ppm)

Viscosity @ 40°C

Acid Number

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513	**TERREVA RENEWABLES - SPSA**
Sample No. : WC0858375 **Received** : 23 Feb 2024	1 BOB FOELLER DR
Lab Number : 06099283 **Tested** : 27 Feb 2024	SUFFOLK, VA
Unique Number : 10897513 **Diagnosed** : 28 Feb 2024 - Jonathan Hester	US 23434
Test Package : MOB 2	Contact: PHIL PRIEBE

To discuss this sample report, contact Customer Service at 1-800-237-1369.
ppriebe@terrevarenewables.com
* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
T: (815)671-3576
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)
F:

ANAB ACCREDITED TESTING LABORATORY
Certificate L2367