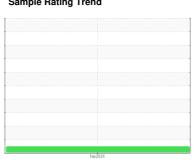


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 301 Component Compressor

VILTER SF PAO 150 (--- QTS)

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 Condition

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

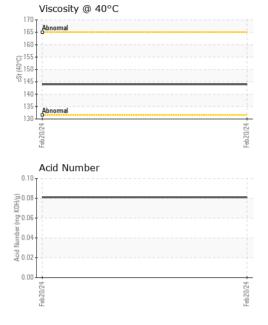
				Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0858372		
Sample Date		Client Info		20 Feb 2024		
Machine Age	hrs	Client Info		2295		
Oil Age	hrs	Client Info		2295		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	٧	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		13		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		18		
Phosphorus	ppm	ASTM D5185m		2		
Zinc	ppm	ASTM D5185m		24		
Sulfur	ppm	ASTM D5185m		25		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	2		
Sodium	ppm	ASTM D5185m		14		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.081

Acid Number (AN) mg KOH/g ASTM D8045



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 PROPERT	ΓIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		144		
SAMPLE IMAGES	S	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)		
100 Severe			15	OT Severe		
100 Severe			15 E 10	O Severe O Abnormal		
100 - Severe Abnormal			E 10	Severe Abnormal		61
100 - Severe Abnormal			E 10	Severe Abnormal		eb2024
Severe Abnormal			E 10	Abnormal	nm)	Feb20/24
Aluminum (ppm)			Feb20/24 Ppm	Chromium (p	pm)	Feb.20/24
Aluminum (ppm)			Feb.20/24	Abnormal Chromium (p	pm)	Feb20/24
Aluminum (ppm) Severe Abnormal Abnormal Abnormal Abnormal			Feb20024	Abnormal Chromium (p	pm)	Feb.20.24
Aluminum (ppm) Severe Abnormal			Feb20/24	Chromium (p	pm)	
Aluminum (ppm) Severe Abnormal Abnormal Aluminum (ppm)			Feb20024	Chromium (p		Feb.20/24
Aluminum (ppm) Severe Abnormal			Feb20/24	Chromium (p		
Abnormal Abnormal Abnormal Copper (ppm) Severe Abnormal Abnormal Abnormal			Feb2024 Feb2024 Feb2024	Chromium (p		
Aluminum (ppm) Severe Abnormal Abnormal Copper (ppm)			Feb20/24 Feb20/24 Feb20/24 Ppm	Abnormal Chromium (p Severe Abnormal Silicon (ppm) Severe Abnormal		
Abnormal Abnormal Abnormal Copper (ppm) Severe Abnormal			Feb.20.24 Feb.20.24 ppm	Chromium (p		Feb20.24
Abnormal Abnormal Abnormal Copper (ppm) Severe Abnormal Abnormal Abnormal			Feb20/24 Feb20/24 Feb20/24 Ppm	Abnormal Chromium (p Severe Abnormal Silicon (ppm) Severe Abnormal		
Abnormal Copper (ppm) Severe Abnormal Copper (ppm) Severe Abnormal Viscosity @ 40°C			Feb2024 Feb2024 Feb2024	Abnormal Chromium (p Severe Abnormal Figure 1 Abnormal Silicon (ppm) Severe Abnormal		Feb20.24
Aluminum (ppm) Abnomal Copper (ppm) Severe Abnomal Viscosity @ 40°C			Feb2024 Feb2024 Feb2024	Abnormal Chromium (p Severe Abnormal Figure 1 Abnormal Silicon (ppm) Severe Abnormal		Feb20.24
Aluminum (ppm) Abnomal Copper (ppm) Severe Abnomal Viscosity @ 40°C			Feb2024 Feb2024 Feb2024	Abnormal Chromium (p Severe Abnormal Figure 1 Abnormal Silicon (ppm) Severe Abnormal		Feb20.24
Abnormal Copper (ppm) Severe Abnormal Copper (ppm) Severe Abnormal Viscosity @ 40°C Abnormal Abnormal			4 Number (mg KOH/g) ppm ppm ppm ppm	Chromium (p		Feb20.24
Abnormal Copper (ppm) Severe Abnormal Copper (ppm) Severe Abnormal O Viscosity @ 40°C Abnormal Abnormal Abnormal			Feb.20.24 Feb.20.24 ppm	Abnormal Chromium (p Severe Abnormal Figure 1 Abnormal Silicon (ppm) Severe Abnormal		Feb20/24





Certificate L2367

Laboratory

Sample No.

Lab Number : 06099282 Unique Number : 10897512

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0858372

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

Tested Diagnosed Test Package : MOB 2

Received : 23 Feb 2024 : 27 Feb 2024 : 28 Feb 2024 - Jonathan Hester

1 BOB FOELLER DR

SUFFOLK, VA US 23434

Contact: PHIL PRIEBE

ppriebe@terrevarenewables.com T: (815)671-3576

TERREVA RENEWABLES - SPSA

* - 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) F:

Contact/Location: PHIL PRIEBE - TERSUF