

OIL ANALYSIS REPORT

Machine Id VILTER RESIDUE B

Compressor Fluid VILTER METHANE PAO 100 (--- GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

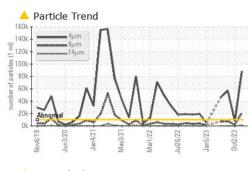
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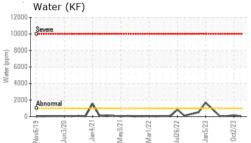
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO60002355	TO60001066	TO60001098
Sample Date		Client Info		03 Apr 2024	02 Oct 2023	12 Jul 2023
Machine Age	hrs	Client Info		31737	29793	29793
Oil Age	hrs	Client Info		23534	23534	24629
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	2	3
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		2	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	1	0	<1
Lead	ppm	ASTM D5185m	>65	0	0	0
Copper	ppm	ASTM D5185m	>65	2	0	<1
Tin	ppm	ASTM D5185m	>10	- <1	0	0
Vanadium	ppm	ASTM D5185m	210	<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum		ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		1	0	<1
Magnesium	ppm	ASTM D5185m		2	0	2
Calcium	ppm	ASTM D5185m		2 <1	0	0
	ppm	ASTM D5185m		0	0	0
Phosphorus Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		36	21	11
	ppm		11 11 11			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<1	0	1
Sodium	ppm	ASTM D5185m		2	0	<1
Potassium	ppm	ASTM D5185m	>20	3	0	0
Water	%	ASTM D6304	>0.1	0.003	0.016	0.006
ppm Water	ppm	ASTM D6304	>1000	30	161.1	63.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 88101	7832	▲ 56853
Particles >6µm		ASTM D7647	>2500	<u> </u>	2051	▲ 7530
Particles >14µm		ASTM D7647	>320	<u> </u>	109	232
Particles >21µm		ASTM D7647	>80	<u> </u>	23	45
Particles >38µm		ASTM D7647	>20	19	2	1
Particles >71µm		ASTM D7647	>4	12	1	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 24/22/17	20/18/14	▲ 23/20/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.052	0.027	0.061

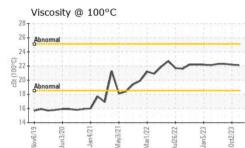
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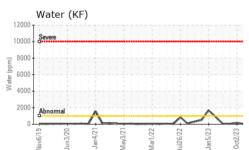


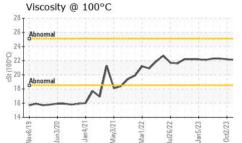
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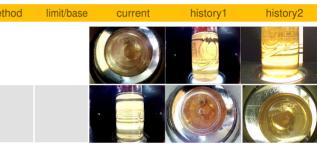


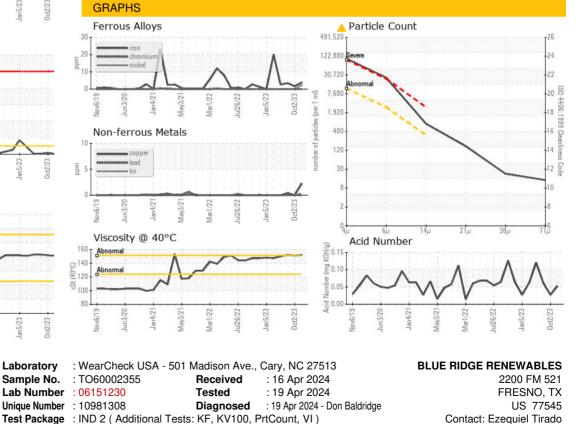




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		152	151	152
Visc @ 100°C	cSt	ASTM D445		22.1	22.2	22.3
Viscosity Index (VI)	Scale	ASTM D2270		172	174	174
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						

Bottom





Certificate L2367 **Test Package** : IND 2 (Additional Tests: KF, KV100, PrtCount, VI) 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)

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