

OIL ANALYSIS REPORT

VACUUM - RM 123A-RTE-LN 1 CRY 1ST BTTM (S/N N15111903) Component Pump Fluid

USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

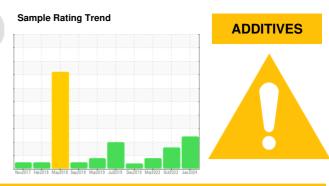
All component wear rates are normal.

Contamination

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

Fluid Condition

Additive levels indicate the addition of a different brand or type of oil. Confirmed. The AN level is acceptable for this fluid.



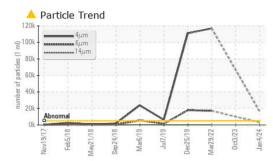
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM30627	USPM29869	USPM18349
Sample Date		Client Info		04 Jan 2024	03 Oct 2023	29 Mar 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	7	0	7
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m		0	<1	0
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m		0	0	0
Tin		ASTM D5185m	>30 >9	۰ <1	<1	<1
	ppm		>3	<1		<1
Antimony	ppm	ASTM D5185m ASTM D5185m				
Vanadium	ppm			0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	2	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	0	<1	0
Calcium	ppm	ASTM D5185m	0	0	<1	0
Phosphorus	ppm	ASTM D5185m	1800	4	1	1530
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	30	10	22
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon				26	28	<1
	ppm	ASTM D5185m	>00	-		
Sodium	ppm	ASTM D5185m	00	<1	0	1
Potassium	ppm	ASTM D5185m		0	<1	0
Water	%	ASTM D6304		0.016	0.068	0.059
ppm Water	ppm	ASTM D6304		165	682.5	590.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	16553		117040
Particles >6µm		ASTM D7647		<u> </u>		<mark>▲</mark> 17089
Particles >14µm		ASTM D7647	>160	<u> </u>		132
Particles >21µm		ASTM D7647	>40	<u> </u>		15
Particles >38µm		ASTM D7647	>10	4		2
Particles >71µm		ASTM D7647	>3	1		0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 21/19/15		▲ 24/21/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.13	0.25	0.063
:52:50) Pov: 1				C		- 2 2 DOANEM

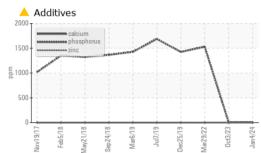
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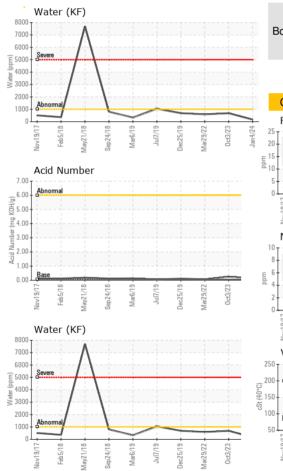
Contact/Location: ? ? - BOANEW



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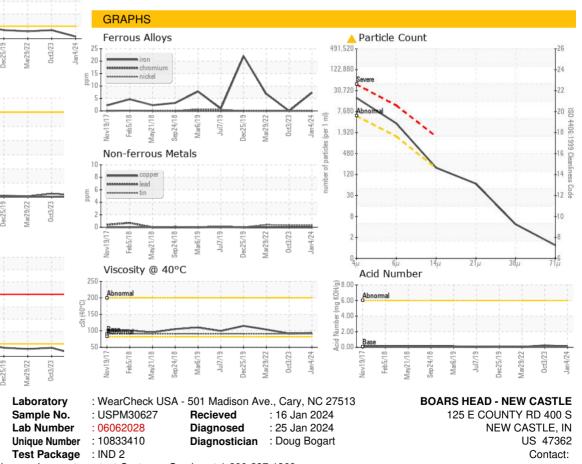




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	91	93.7	91.7	104
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				a.		



Bottom



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)

Certificate L2367

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Contact/Location: ? ? - BOANEW

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