

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id

BUSCH MULTIVAC-4 BUSCH 5C (S/N 2512909) Pump

Fluid USPI VAC 100 (--- GAL)

DIAGNOSIS

A Recommendation

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

🔺 Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

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

Fluid Condition

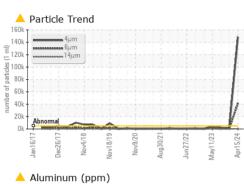
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

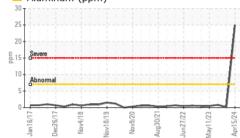
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP0006303	USPM30296	USPM31418
Sample Date		Client Info		15 Apr 2024	28 Feb 2024	26 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	8	11	1
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		<u> </u>	<1	<1
Lead	ppm	ASTM D5185m	>12	<1	0	<1
Copper	ppm	ASTM D5185m		1	0	<1
Tin	ppm	ASTM D5185m	>9	، <1	1	<1
Vanadium	ppm	ASTM D5185m	20	0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	-	<1	0	<1
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m		3	0	2
Phosphorus	ppm	ASTM D5185m	1800	997	1227	1477
Zinc	ppm		0	0	5	0
Sulfur	ppm	ASTM D5185m		32	8	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		15	1	3
Sodium	ppm	ASTM D5185m		3	2	<1
Potassium	ppm	ASTM D5185m	>20	3	0	<1
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	%	ASTM D6304	> 1	-	0.027	0.038
Water ppm Water	% ppm	ASTM D6304 ASTM D6304	>.1 >1000	0.052 528	0.027 275	0.038 388
Water	ppm			0.052		
Water ppm Water	ppm	ASTM D6304	>1000 limit/base	0.052 528	275	388
Water ppm Water FLUID CLEANLIN Particles >4µm	ppm	ASTM D6304 method	>1000 limit/base >5000	0.052 528 current	275 history1	388 history2
Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm	ASTM D6304 method ASTM D7647	>1000 limit/base >5000	0.052 528 current 148729	275 history1 1725	388 history2 1966
Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm	ASTM D6304 method ASTM D7647 ASTM D7647	>1000 limit/base >5000 >1300 >160	0.052 528 current ▲ 148729 ▲ 41982	275 history1 1725 678	388 history2 1966 650
Water ppm Water FLUID CLEANLIN	ppm	ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	>1000 limit/base >5000 >1300 >160	0.052 528	275 history1 1725 678 96	388 history2 1966 650 51
Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm	ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1000 limit/base >5000 >1300 >160 >40 >10	0.052 528	275 history1 1725 678 96 13	388 history2 1966 650 51 11
Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm	ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1000 limit/base >5000 >1300 >160 >40 >10	0.052 528 current ▲ 148729 ▲ 41982 ▲ 232 ▲ 48 2	275 history1 1725 678 96 13 1	388 history2 1966 650 51 11 2
Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ESS	ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1000 limit/base >5000 >1300 >160 >40 >10 >3	0.052 528 current ▲ 148729 ▲ 41982 ▲ 232 ▲ 48 2 0	275 history1 1725 678 96 13 1 1 0	388 history2 1966 650 51 11 2 0

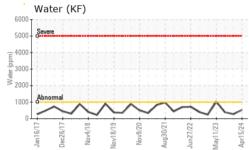
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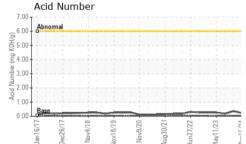


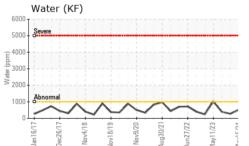
OIL ANALYSIS REPORT

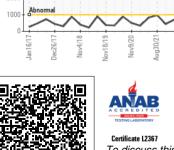






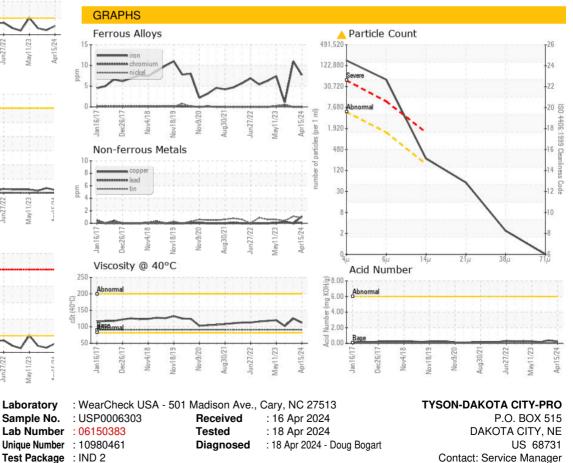






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	91	112	125	102
SAMPLE IMAGES method		method	limit/base	current	history1	history2
Color					•	A CARACTER OF CARA

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) F:

T: F: (605)235-2960

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