

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BUSCH MULTIVAC-3 BUSCH 5B

Component Pump

USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

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

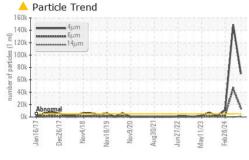
Fluid Condition

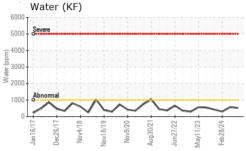
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

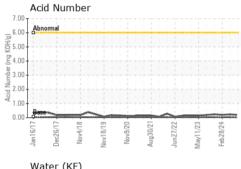
m2017 Dec2017 New2016 New2019 New2020 Aug2021 Jun2022 May2023 Feb2024										
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2				
Sample Number		Client Info		USPM37606	USP0006783	USPM30268				
Sample Date		Client Info		09 Jun 2024	15 Apr 2024	28 Feb 2024				
Machine Age	hrs	Client 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	17	8	7				
Chromium	ppm	ASTM D5185m	>5	0	0	0				
Nickel	ppm	ASTM D5185m	>5	0	<1	0				
Titanium	ppm	ASTM D5185m	>3	0	0	0				
Silver	ppm	ASTM D5185m	>3	0	0	0				
Aluminum	ppm	ASTM D5185m	>7	0	<u>^</u> 24	<1				
Lead	ppm	ASTM D5185m	>12	0	0	0				
Copper	ppm	ASTM D5185m	>30	0	1	0				
Tin	ppm	ASTM D5185m	>9	<1	1	<1				
Vanadium	ppm	ASTM D5185m		<1	0	<1				
Cadmium	ppm	ASTM D5185m		0	0	0				
ADDITIVES		method	limit/base	current	history1	history2				
Boron	ppm	ASTM D5185m	0	0	<1	0				
Barium	ppm	ASTM D5185m	0	0	0	0				
Molybdenum	ppm	ASTM D5185m	0	0	0	0				
Manganese	ppm	ASTM D5185m		0	<1	0				
Magnesium	ppm	ASTM D5185m	0	0	<1	<1				
Calcium	ppm	ASTM D5185m	0	0	4	0				
Phosphorus	ppm	ASTM D5185m	1800	1364	1144	1332				
Zinc	ppm	ASTM D5185m	0	0	0	4				
Sulfur	ppm	ASTM D5185m	0	0	62	0				
CONTAMINANTS										
		method	limit/base	current	history1	history2				
Silicon										
	ppm	ASTM D5185m	limit/base >60	2	15	1				
Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>60	2 7	15 3	1				
Silicon Sodium Potassium Water	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>60 >20	2 7 <1	15 3 5	1 3 0				
Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>60	2 7	15 3	1				
Sodium Potassium Water	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	>60 >20 >.1	2 7 <1 0.052	15 3 5 0.056	1 3 0 0.030 302				
Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>60 >20 >.1 >1000	2 7 <1 0.052 522	15 3 5 0.056 566	1 3 0 0.030 302				
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>60 >20 >.1 >1000 limit/base	2 7 <1 0.052 522 current	15 3 5 0.056 566 history1	1 3 0 0.030 302 history2				
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>60 >20 >.1 >1000 limit/base >5000	2 7 <1 0.052 522 current 69549 14085	15 3 5 0.056 566 history1 ▲ 149257	3 0 0.030 302 history2 ▲ 11019				
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	>60 >20 >.1 >1000 limit/base >5000 >1300	2 7 <1 0.052 522 current 69549	15 3 5 0.056 566 history1 ▲ 149257 ▲ 46092	1 3 0 0.030 302 history2 11019 2660				
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>60 >20 >.1 >1000 limit/base >5000 >1300 >160	2 7 <1 0.052 522 current ▲ 69549 ▲ 14085 ▲ 595 ▲ 123	15 3 5 0.056 566 history1 ▲ 149257 ▲ 46092 112	1 3 0 0.030 302 history2 11019 2660 66				
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>60 >20 >.1 >1000 limit/base >5000 >1300 >160 >40 >10	2 7 <1 0.052 522 current 69549 14085 595 123 3	15 3 5 0.056 566 history1 ▲ 149257 ▲ 46092 112 22 1	1 3 0 0.030 302 history2 ▲ 11019 ▲ 2660 66 9				
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>60 >20 >.1 >1000 limit/base >5000 -1300 >160 >40	2 7 <1 0.052 522 current ▲ 69549 ▲ 14085 ▲ 595 ▲ 123	15 3 5 0.056 566 history1 ▲ 149257 ▲ 46092 112 22	1 3 0 0.030 302 history2 11019 2660 66 9 0				
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>60 >20 >.1 >1000 limit/base >5000 >1300 >160 >40 >10 >3	2 7 <1 0.052 522 current 69549 14085 595 123 3 1	15 3 5 0.056 566 history1 149257 46092 112 22 1 0	1 3 0 0.030 302 history2 11019 2660 66 9 0				

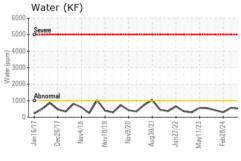


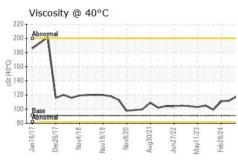
OIL ANALYSIS REPORT

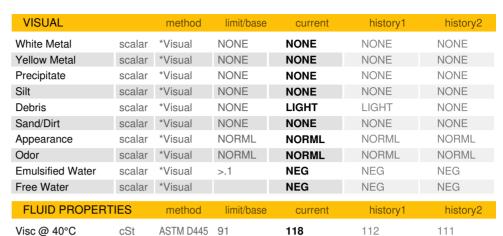






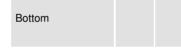




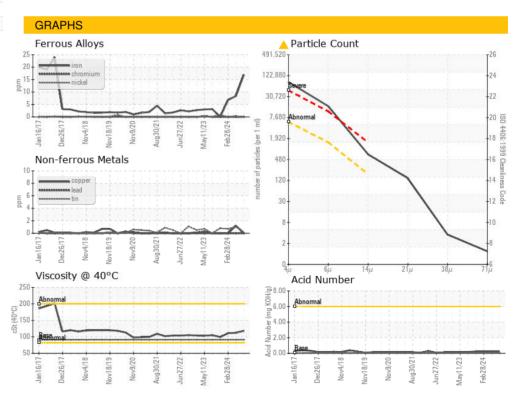


SAMPLE IMAGES	method	limit/base	current	history1	history2

Color











Certificate 12367

Laboratory Sample No. Lab Number

: USPM37606 : 06205492 Unique Number : 11072953 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 Tested : 12 Jun 2024

Diagnosed : 12 Jun 2024 - Doug Bogart

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

 st - 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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Contact: Service Manager