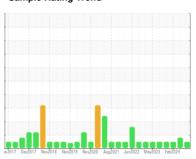


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

BUSCH VM1 / VP-3 Component

USPI VAC 100 (--- GAL)

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 oil. The amount and size of particulates present in the system are acceptable.

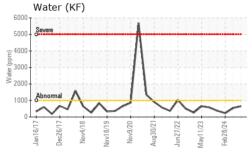
Fluid Condition

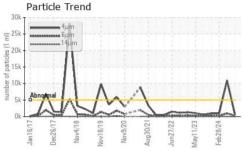
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

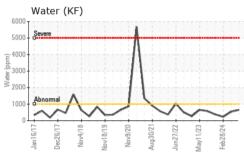
		in2017 Dec201	7 Nov2018 Nov2019 Nov	2020 Aug2021 Jun2022 May2023	Feb2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37608	USP0006310	USPM30275
Sample Date		Client Info		09 Jun 2024	15 Apr 2024	28 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	6	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	<1	<1
Lead	ppm	ASTM D5185m	>12	0	<1	0
Copper	ppm	ASTM D5185m	>30	0	<1	0
Tin	ppm	ASTM D5185m	>9	0	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	<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	0	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	0	0	10	<1
Phosphorus	ppm	ASTM D5185m	1800	995	1506	1360
Zinc	ppm	ASTM D5185m	0	0	23	3
Sulfur	ppm	ASTM D5185m	0	6	4	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	6	<1	2
Sodium	ppm	ASTM D5185m		0	4	<1
Potassium	ppm	ASTM D5185m	>20	0	15	0
Water	%	ASTM D6304	>.1	0.065	0.053	0.023
ppm Water	ppm	ASTM D6304	>1000	652	536	232
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	685	△ 10939	951
Particles >6µm		ASTM D7647	>1300	249	967	245
Particles >14µm		ASTM D7647	>160	20	42	10
Particles >21µm		ASTM D7647	>40	5	10	4
Particles >38μm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	<u>\$\rightarrow\$ 21/17/13</u>	17/15/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.35	1.47	0.21

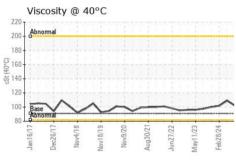


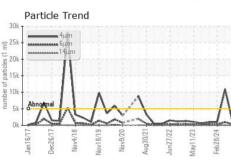
OIL ANALYSIS REPORT

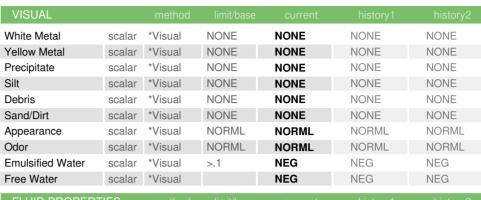












FLUID PROPERT	IES	method			history1	history2
Visc @ 40°C	cSt	ASTM D445	91	102	109	102

SAMPLE IMAGES	method		
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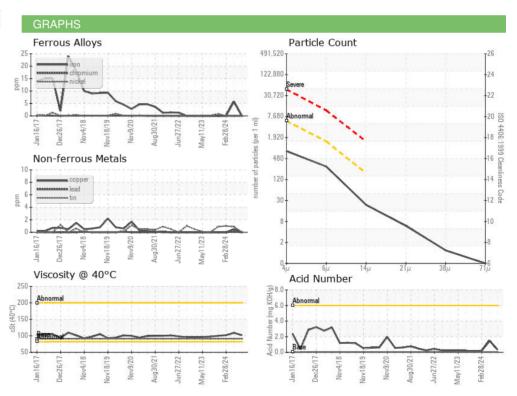
Color

Bottom













Certificate 12367

Laboratory Sample No.

Lab Number : 06205490

: USPM37608 Unique Number : 11072951 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 TYSON-DAKOTA CITY-PRO

P.O. BOX 515 DAKOTA CITY, NE US 68731

Contact: Service Manager

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)

T: F: (605)235-2960