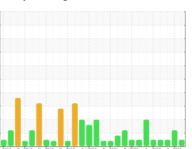


# **OIL ANALYSIS REPORT**

# Sample Rating Trend



NORMAL



Machine Id

**BUSCH VM6 / VP-3** 

Component Pump

**USPI VAC 100 (--- GAL)** 

### DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

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.

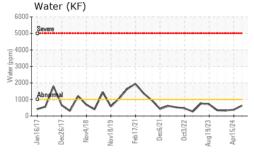
## **Fluid Condition**

An increase in the AN level is noted. Confirmed. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

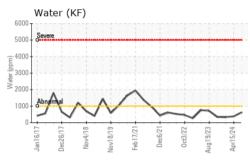
ოδ017 Dec2017 Nev2018 Nev2019 Feb2021 Dec2021 Dec2022 Aug2023 Αργ2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37601	USP0006319	USPM30315
Sample Date		Client Info		09 Jun 2024	15 Apr 2024	28 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	2	2	2
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	<1	2	<1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	<1	0	0
Tin	ppm	ASTM D5185m	>9	0	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	0	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	<1	0	0
Calcium	ppm	ASTM D5185m	0	5	2	1
Phosphorus	ppm	ASTM D5185m	1800	1263	1016	1392
Zinc	ppm	ASTM D5185m	0	73	0	<1
Sulfur	ppm	ASTM D5185m	0	78	52	96
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	11	<1	2
Sodium	ppm	ASTM D5185m		9	1	1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>.1	0.063	0.038	0.032
ppm Water	ppm	ASTM D6304	>1000	631	383	327
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	495	5603	1116
Particles >6µm		ASTM D7647	>1300	164	1641	346
Particles >14µm		ASTM D7647	>160	19	156	30
Particles >21µm		ASTM D7647	>40	6	37	6
Particles >38μm		ASTM D7647	>10	1	2	1
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/15/11	20/18/14	17/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	2.30	0.31	0.36

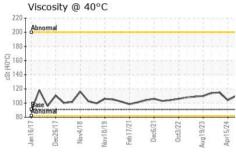


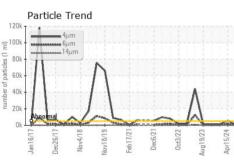
# **OIL ANALYSIS REPORT**

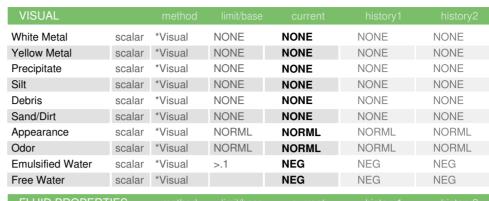


Par 120k T	ticle Tr	end						
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fe 60k		- 1	1					
40k			1				۸	
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Jan16/1	Dec26/1	Nov4/18	Nov18/19	Feb17/2	Dec6/2	Oct3/22	Aug19/23	Apr15/24
J.	De	2	2	æ		0	Aus	Ap









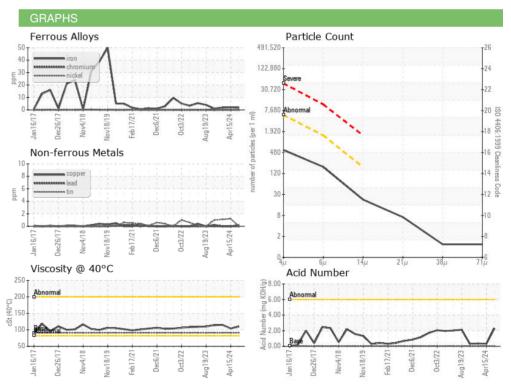
FLUID PROPER	THES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 40°C	cSt	ASTM D445	91	110	104	115

SAMPLE IMAGES	method		history2

Color











Certificate 12367

Laboratory Sample No. Lab Number

: 06205495 Unique Number : 11072956 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM37601 Received

: 10 Jun 2024 **Tested** : 18 Jun 2024 Diagnosed

: 18 Jun 2024 - Doug Bogart

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: (605)235-2960

US 68731

P.O. BOX 515

DAKOTA CITY, NE

TYSON-DAKOTA CITY-PRO

Contact: Service Manager