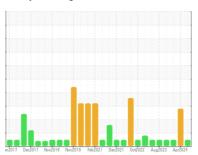


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

BUSCH VM10 / VP-3

Component Pump

**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 Dec20	17 Nov2018 Nov2019 Fr	ob2021 Dec2021 Oct2022 Aug20	23 Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37640	USP0006793	USPM30282
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	0	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	0	1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	0	0	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	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	0	0	<1
Calcium	ppm	ASTM D5185m	0	0	0	3
Phosphorus	ppm	ASTM D5185m	1800	1351	1169	1029
Zinc	ppm	ASTM D5185m	0	0	0	3
Sulfur	ppm	ASTM D5185m	0	<1	<1	2
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	5	3	4
Sodium	ppm	ASTM D5185m		0	2	<1
Potassium	ppm	ASTM D5185m		0	17	0
Water	%	ASTM D6304	>.1	0.069	△ 0.239	0.023
ppm Water	ppm	ASTM D6304	>1000	693	<u>2394</u>	236
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	1128	5099	1441
Particles >6µm		ASTM D7647	>1300	406	1491	339
Particles >14µm		ASTM D7647	>160	34	129	12
Particles >21µm		ASTM D7647	>40	10	33	1
Particles >38µm		ASTM D7647	>10	2	5	0
Particles >71µm		ASTM D7647	>3	1	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/16/12	20/18/14	18/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.31	0.36	0.39



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: USPM37640 : 06205501 Unique Number : 11072962 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)

Contact/Location: Service Manager - IBPDAKPRO

F: (605)235-2960

T: