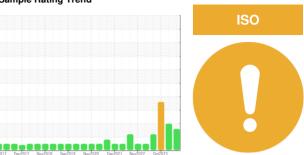


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# BUSCH CONVERSION P-04 CV-9 VACUUM (S/N U090600789) Pump

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

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is a moderate 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.

		ar2017 Dec2	017 Nov2018 Sep2019	Nov2020 Dec2021 Nov2022	Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
			mme bacc		· ·	
Sample Number		Client Info		USPM36784	USPM30666	USPM31067
Sample Date Machine Age	hvo			22 Apr 2024	17 Jan 2024	18 Oct 2023
Oil Age	hrs hrs	Client Info		0	0	0
•	1115	Client Info		N/A	N/A	N/A
Oil Changed Sample Status		Ciletit iiilo		ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base		history1	history2
Iron	ppm	ASTM D5185m	>90	9	8	67
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum		ASTM D5185m	>7	2	3	<u> </u>
	ppm			0		0
Lead	ppm	ASTM D5185m	>12	-	0	
Copper	ppm	ASTM D5185m	>30	<1	0	<1
Tin	ppm	ASTM D5185m	>9	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	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	<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	2	0
Calcium	ppm	ASTM D5185m	0	0	4	7
Phosphorus	ppm	ASTM D5185m	1800	780	877	857
Zinc	ppm	ASTM D5185m	0	7	2	36
Sulfur	ppm	ASTM D5185m	0	0	121	158
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	8	6	7
Sodium	ppm	ASTM D5185m		2	2	8
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
Water	%	ASTM D6304	>.1	0.031	0.027	0.082
ppm Water	ppm	ASTM D6304	>1000	316	275	825.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3918	9939	<u></u> 50411
Particles >6µm		ASTM D7647	>1300	<b>1306</b>	<u> </u>	<u>▲</u> 8640
Particles >14µm		ASTM D7647	>160	<b>170</b>	<b>△</b> 323	<b>437</b>
Particles >21µm		ASTM D7647	>40	54	<u> 101</u>	<u>▲</u> 121
Particles >38µm		ASTM D7647	>10	4	8	7
Particles >71μm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/18/15</b>	<b>△</b> 20/19/16	<b>△</b> 23/20/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.17	0.18	0.52



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number Unique Number : 10993142

: USPM36784 : 06157719

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Apr 2024

**Tested** : 24 Apr 2024 Diagnosed : 25 Apr 2024 - Jonathan Hester

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 - SMITAR

15855 HWY. 87 WEST

Contact: SERVICE MANAGER

TARHEEL, NC

US 28392

T:

F: