

# **OIL ANALYSIS REPORT**

## Sample Rating Trend



Machine Id

# BUSCH L1 SEALING PUMP (S/N CHM121350080)

Vacuum 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.

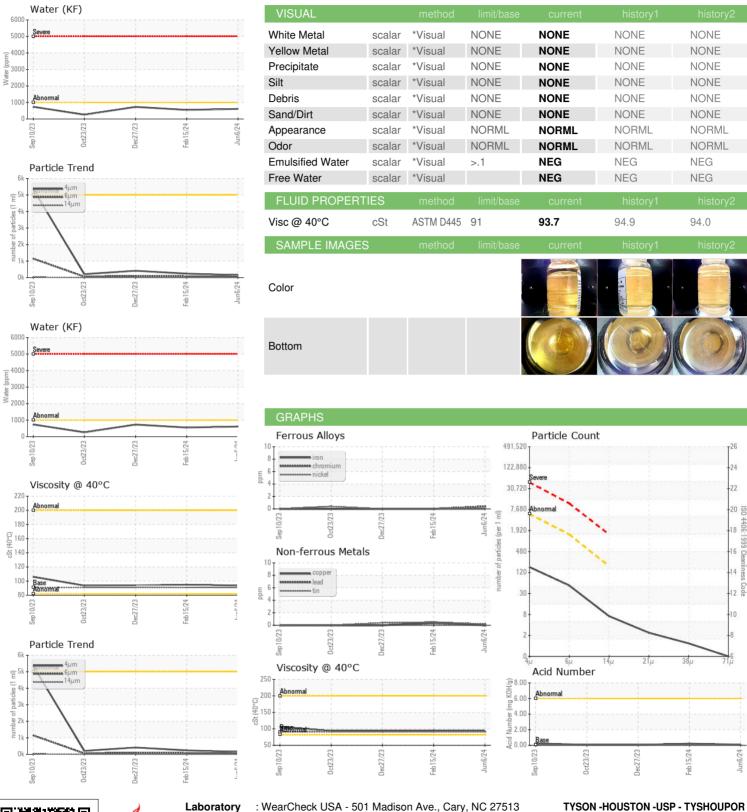
### **Fluid Condition**

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

		Sep 2023	0et2023	Dec2023 Feb2024	Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37535	USPM30039	USPM31682
Sample Date		Client Info		06 Jun 2024	15 Feb 2024	27 Dec 2023
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	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	0	<1	0
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	РРШ	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
		ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	U	0		0
Manganese	ppm	ASTM D5185m	0	-	<1 <1	0
Magnesium Calcium	ppm		0	0	2	0
	ppm	ASTM D5185m		722	657	663
Phosphorus	ppm	ASTM D5185m	1800			0
Zinc	ppm	ASTM D5185m	0	0	0	-
Sulfur	ppm	ASTM D5185m	0	0	48	60
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>15	10	6	4
Sodium	ppm	ASTM D5185m	0.0	0	<1	0
Potassium	ppm	ASTM D5185m		<1	<1	0
Water	%	ASTM D6304	>.1	0.061	0.054	0.073
ppm Water	ppm	ASTM D6304	>1000	610	549	732
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	151	238	410
Particles >6µm		ASTM D7647		45	69	98
Particles >14µm		ASTM D7647	>160	6	8	13
Particles >21μm		ASTM D7647		2	2	5
Particles >38μm		ASTM D7647	>10	1	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/13/10	15/13/10	16/14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.091	0.218	0.054



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number

: USPM37535 : 06202766 Unique Number : 11070227 Test Package : IND 2

Received : 07 Jun 2024 **Tested** 

: 11 Jun 2024 Diagnosed : 11 Jun 2024 - Doug Bogart

TYSON -HOUSTON -USP - TYSHOUPOR 300 PORTWELL RD.

HOUSTON, TX US 77029

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)

Report Id: TYSHOU [WUSCAR] 06202766 (Generated: 06/11/2024 12:38:25) Rev: 1

Contact/Location: SERVICE MANAGER - TYSHOU

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