

# **OIL ANALYSIS REPORT**

## Sample Rating Trend



**NORMAL** 



# BUSCH VM6 / VP-3 (S/N 2512909)

Component Pump Fluid

**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.

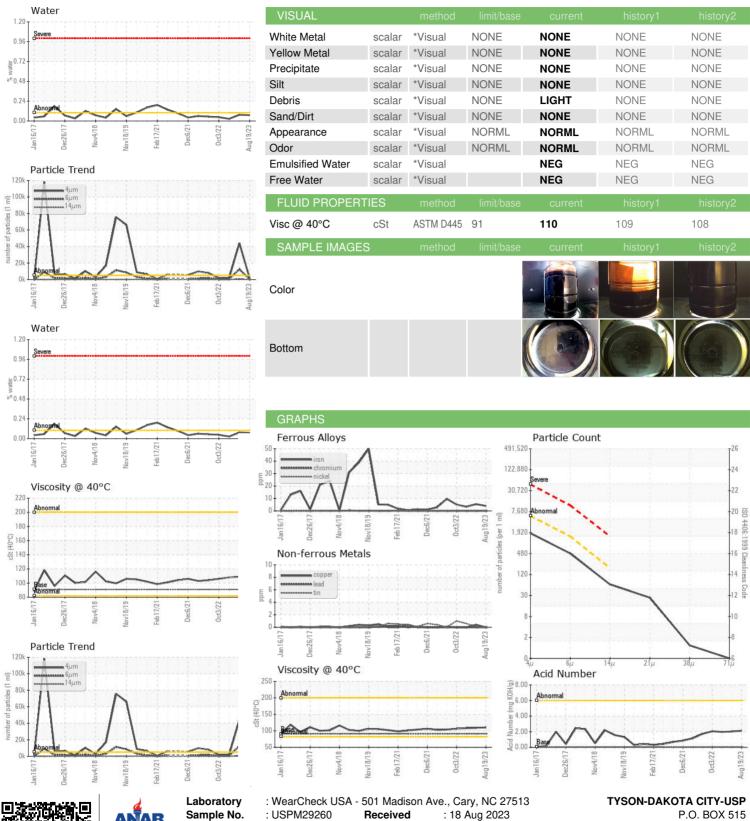
### **Fluid Condition**

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

		an2017 Dec	2017 Nov2018 Nov201	9 Feb2021 Dec2021 Oct20	22 Augžū;	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM29260	USPM28925	USPM26263
Sample Date		Client Info		19 Aug 2023	11 May 2023	26 Jan 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	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	4	5	3
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	0	<1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	0	<1	0
Tin	ppm	ASTM D5185m	>9	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
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	2	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0	<1	<1	<1
Calcium	ppm	ASTM D5185m	0	11	5	4
Phosphorus	ppm	ASTM D5185m	1800	1325	1327	1367
Zinc	ppm	ASTM D5185m	0	62	65	58
Sulfur	ppm	ASTM D5185m	0	104	73	91
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	12	12	13
Sodium	ppm	ASTM D5185m		4	5	4
Potassium	ppm	ASTM D5185m	>20	<1	5	0
Water	%	ASTM D6304		0.070	0.075	0.026
ppm Water	ppm	ASTM D6304	>.1	708.5	759.3	267.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1602	<b>44166</b>	1599
Particles >6µm		ASTM D7647	>1300	423	<u>▲</u> 12367	473
Particles >14μm		ASTM D7647	>160	55	<u>^</u> 721	35
Particles >21µm		ASTM D7647	>40	23	<u>▲</u> 85	6
Particles >38µm		ASTM D7647	>10	1	4	1
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13	<u>\$\rightarrow\$ 23/21/17</u>	18/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	2.13	2.02	1.97



## **OIL ANALYSIS REPORT**







Certificate L2367

Sample No. Lab Number **Unique Number** Test Package

: 05928259 : 10608206 : IND 2

Received Diagnosed

: 21 Aug 2023 Diagnostician : 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)

US 68731

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