

# **OIL ANALYSIS REPORT**

### Sample Rating Trend



Machine Id

# **BUSCH 3991 L2 MAIN (S/N 10240L92732015)**

Compone Pump

**USPI VAC 100 (--- QTS)** 

#### 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.

		ul2017 Jul	018 Mar2019 Jan20	20 Dec2020 Feb2022 Aug2	023 Jun202	
SAMPLE INFORM	MATION	method	limit/base	ourrent	history1	hioton/2
	IATION		IIIIIIVDase	current	•	history2
Sample Number		Client Info		USPM37823	USPM30382	USPM31502
Sample Date		Client Info		17 Jun 2024	10 Mar 2024	29 Nov 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	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	>90	<1	0	3
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	1	<1	1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	<1	0	0
Tin	ppm	ASTM D5185m	>9	<1	<1	0
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	2	0	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	<1	0	<1
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	1800	1436	1412	1138
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	65	40	19
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	5	4	5
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	3	0	1
Water	%	ASTM D6304	>.1	0.062	0.031	0.021
ppm Water	ppm	ASTM D6304	>1000	627	317	211
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	265	687	2792
Particles >6µm		ASTM D7647	>1300	86	210	1039
Particles >14µm		ASTM D7647	>160	6	18	110
Particles >21µm		ASTM D7647	>40	2	5	21
Particles >38µm		ASTM D7647	>10	0	1	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/14/10	17/15/11	19/17/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.14	0.10	0.17



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number : 06214063

: USPM37823 Unique Number : 11086927 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jun 2024 **Tested** 

: 20 Jun 2024 Diagnosed : 21 Jun 2024 - Doug Bogart

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: JIM KOHRS T: (859)635-8901

ALEXANDRIA, KY

1099 BOB HUBER DRIVE

F:

US 41001

TYSON HILLSHIRE-CLARYVILLE