

### **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL

Machine Id

# BUSCH GT LINE 4 MAIN

Component Vacuum Pump Fluid USPI VAC 100 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

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.

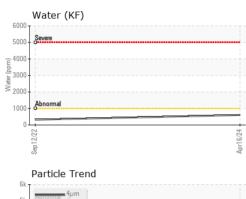
#### Fluid Condition

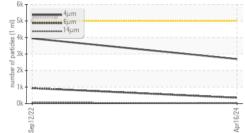
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

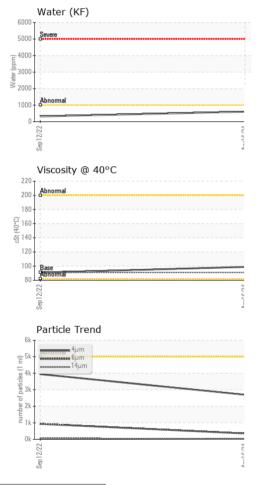
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36733	USPM22177	
Sample Date		Client Info		16 Apr 2024	12 Sep 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	<1	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	0	0	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		۰ <1	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	Ū	0	0	
Magnesium	ppm	ASTM D5185m	0	0	<1	
Calcium	ppm	ASTM D5185m		0	<1	
Phosphorus	ppm	ASTM D5185m	1800	780	7	
Zinc	ppm		0	0	0	
Sulfur	ppm	ASTM D5185m	0	0	23	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	2	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	<1	<1	
Water	%	ASTM D6304		0.060	0.031	
ppm Water	ppm	ASTM D6304		605	319.2	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2695	3946	
Particles >6µm		ASTM D7647	>1300	352	934	
Particles >14µm		ASTM D7647	>160	22	66	
Particles >21µm		ASTM D7647	>40	5	11	
Particles >38µm		ASTM D7647	>10	1	1	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12	19/17/13	
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.28	0.067	
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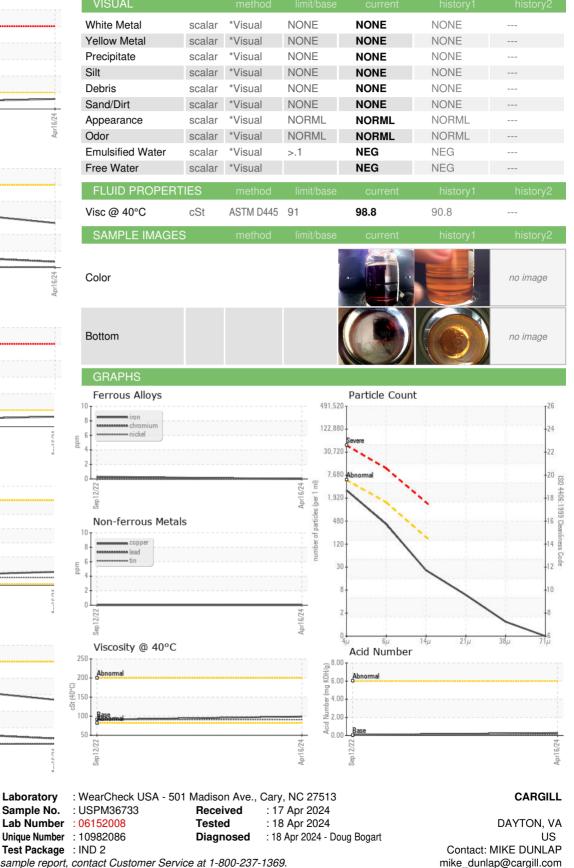


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To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (540)879-2913

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Certificate 12367

Laboratory

Sample No.

Lab Number

Contact/Location: MIKE DUNLAP - CARDAY