

OIL ANALYSIS REPORT

Sample Rating Trend



BUSCH VM5 / VP-2 (S/N 2512909)

Component

Pump Fluid

USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

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

		2017		000000	M-3222	
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM29227	USPM28921	USPM26259
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	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	6	4	3
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	<1	<1	<1
Lead	ppm	ASTM D5185m	>12	0	<1	0
Copper	ppm	ASTM D5185m	>30	0	0	0
Tin	ppm	ASTM D5185m	>9	<1	1	1
Vanadium	ppm	ASTM D5185m		<1	<1	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	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	10	0
Calcium	ppm	ASTM D5185m	0	2	0	<1
Phosphorus	ppm	ASTM D5185m	1800	1557	1601	1525
Zinc	ppm	ASTM D5185m	0	0	11	<1
Sulfur	ppm	ASTM D5185m	0	14	0	20
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	<1	2	<1
Sodium	ppm	ASTM D5185m		1	1	<1
Potassium	ppm	ASTM D5185m	>20	4	6	0
Water	%	ASTM D6304		0.058	0.049	0.023
ppm Water	ppm	ASTM D6304	>.1	581.6	499.3	232.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1563	2639	1888
Particles >6µm		ASTM D7647	>1300	417	681	667
Particles >14μm		ASTM D7647	>160	56	32	75
Particles >21µm		ASTM D7647	>40	18	5	16
Particles >38µm		ASTM D7647	>10	1	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13	19/17/12	18/17/13
FLUID DEGRADA	MOLE	method				history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.05

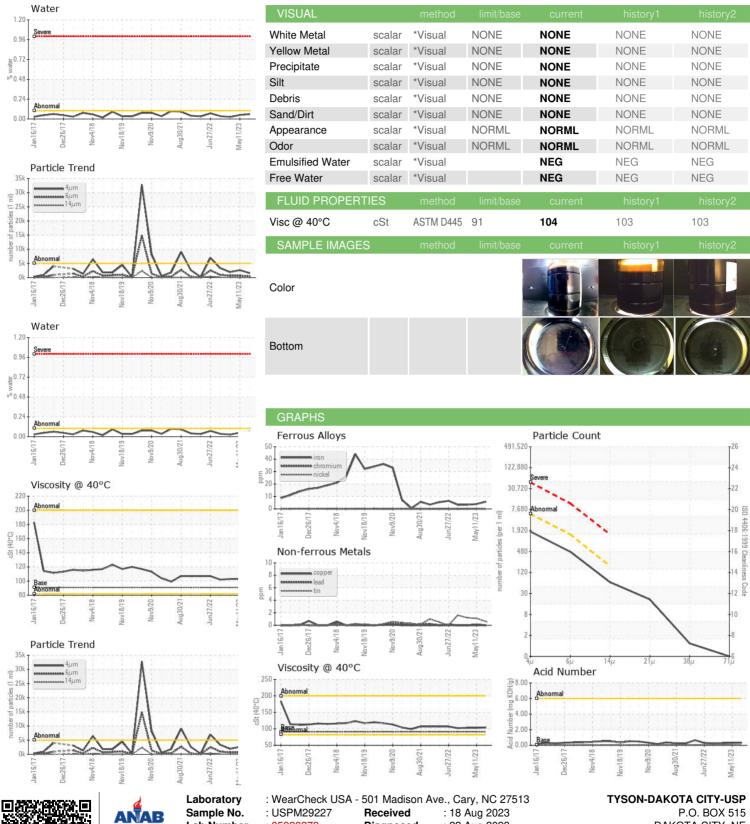
0.32

0.34

0.28



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Certificate L2367

Lab Number **Unique Number**

Test Package

: 05928279 : 10608226

Diagnosed

: 22 Aug 2023 : Doug Bogart

Diagnostician

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: IND 2

* - 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)

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