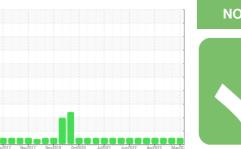


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

BUSCH TYSWALWAS VAC 3C (S/N NO PLATE)

Compone Pump

USPI VAC 100 (--- GAL)

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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.

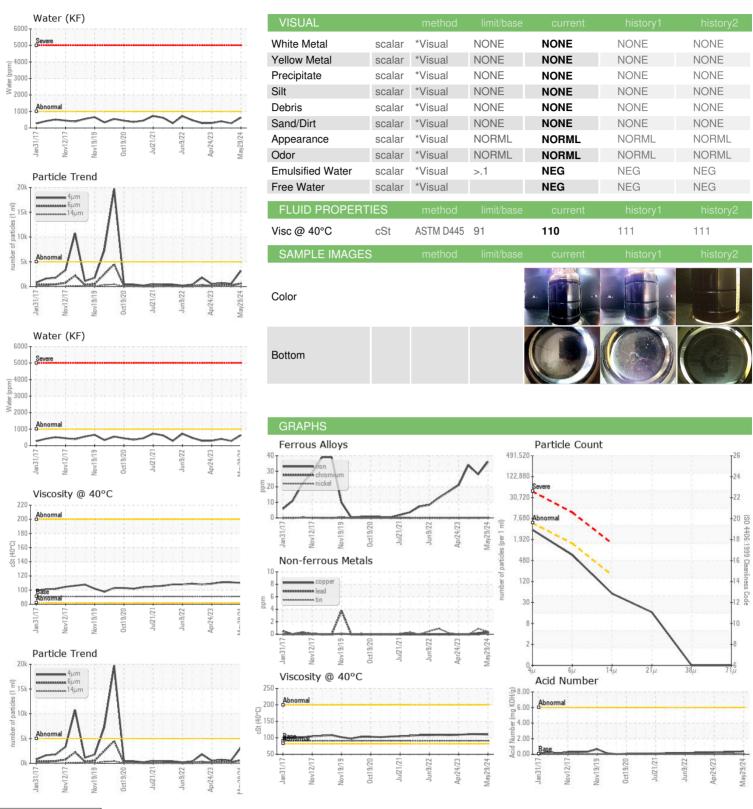
Fluid Condition

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

		an2017 Nov.	2017 Nov2019 Oct202	0 Jul2021 Jun2022 Apr20	23 May20;	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36366	USPM31849	USPM29082
Sample Date		Client Info		29 May 2024	12 Dec 2023	01 Aug 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	36	28	34
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	2	2	<1
Lead	ppm	ASTM D5185m	>12	<1	0	0
Copper	ppm	ASTM D5185m	>30	<1	<1	0
Tin	ppm	ASTM D5185m	>9	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
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	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	0	1	0	0
Phosphorus	ppm	ASTM D5185m	1800	1529	1459	1373
Zinc	ppm	ASTM D5185m	0	<1	0	0
Sulfur	ppm	ASTM D5185m	0	0	17	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	2	1	1
Sodium	ppm	ASTM D5185m		4	4	3
Potassium	ppm	ASTM D5185m	>20	1	1	2
Water	%	ASTM D6304	>.1	0.063	0.028	0.040
ppm Water	ppm	ASTM D6304	>1000	632	282	401.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3196	574	713
Particles >6µm		ASTM D7647	>1300	609	247	326
Particles >14µm		ASTM D7647	>160	48	33	70
Particles >21µm		ASTM D7647	>40	14	8	30
Particles >38µm		ASTM D7647	>10	0	0	1
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/13	16/15/12	17/16/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.39	0.28	0.28



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number Unique Number : 11057600

Test Package : IND 2

: USPM36366 : 06195477

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 May 2024 **Tested** : 31 May 2024

: 31 May 2024 - Doug Bogart Diagnosed

TYSON - PASCO WALLULA -USP

DODD RD WALLULA, WA US 99363

T: (402)423-6375

F: (402)423-6661

Contact: RICK DUVALL

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)