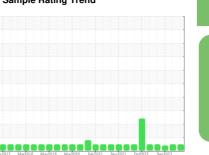


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



BUSCH CV1 WEST TENDER SECONDARY (S/N 5598119)

Component

Vacuum Pump

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.

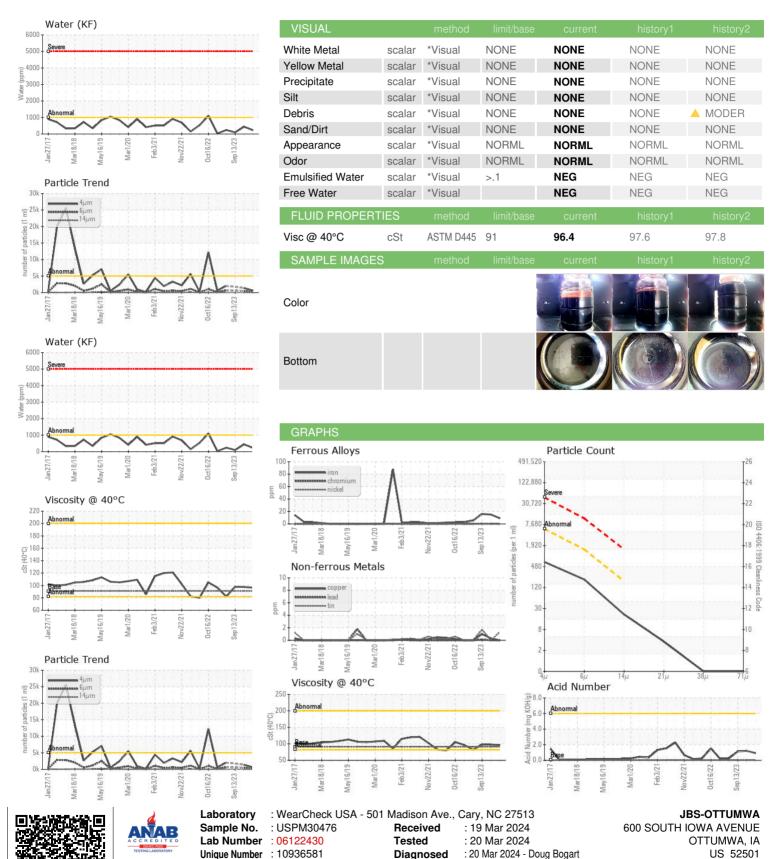
Fluid Condition

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

m2017 Mm2018 Mm2019 Mm2020 Feb2021 Nev2021 Oct/022 Smp2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM30476	USPM31825	USP242060
Sample Date		Client Info		18 Mar 2024	10 Dec 2023	13 Sep 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	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	9	15	16
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	2
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	<1	1
Tin	ppm	ASTM D5185m	>20	1	0	2
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	1	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	0
Calcium	ppm	ASTM D5185m	0	0	5	4
Phosphorus	ppm	ASTM D5185m	1800	758	735	767
Zinc	ppm	ASTM D5185m	0	37	27	34
Sulfur	ppm	ASTM D5185m	0	0	0	31
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	16	13	11
Sodium	ppm	ASTM D5185m		3	5	5
Potassium	ppm	ASTM D5185m	>20	0	<1	4
Water	%	ASTM D6304	>.1	0.022	0.043	0.009
ppm Water	ppm	ASTM D6304	>1000	229	437	99.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	570	1400	
Particles >6µm		ASTM D7647	>1300	180	493	
Particles >14μm		ASTM D7647	>160	18	41	
Particles >21µm		ASTM D7647	>40	3	9	
Particles >38μm		ASTM D7647	>10	0	1	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/15/11	18/16/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.92	1.207	1.14



OIL ANALYSIS REPORT



Certificate L2367

Test Package : IND 2

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)

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