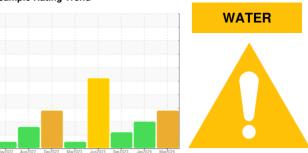


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BUSCH VP-3B (S/N 2000009063)

Vacuum Pump

USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. There is a light concentration of water present in the oil.

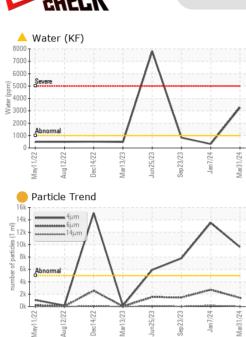
Fluid Condition

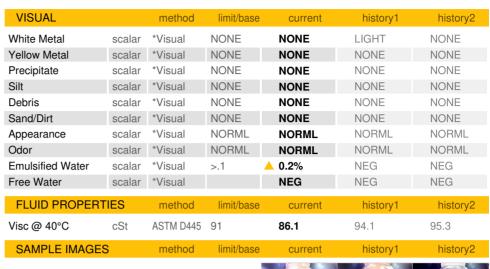
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

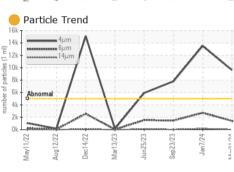
		May2022 A	lug2022 Dec2022 Mar20	23 Jun 2023 Sep 2023 Jan 2024	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36552	USPM30554	USPM29757
Sample Date		Client Info		31 Mar 2024	07 Jan 2024	23 Sep 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	0
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>20	<1	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	2	4
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	<1	<1
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
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	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	<1
Calcium	ppm	ASTM D5185m	0	0	<1	<1
Phosphorus	ppm	ASTM D5185m	1800	749	684	873
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	28	0	6
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	7	2
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	3	1	2
Water	%	ASTM D6304	>.1	△ 0.327	0.032	0.083
ppm Water	ppm	ASTM D6304	>1000	▲ 3269	325	833.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	9621	<u>▲</u> 13526	7801
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>^</u> 2722	1454
Particles >14μm		ASTM D7647	>160	26	△ 169	34
Particles >21µm		ASTM D7647	>40	7	<u>▲</u> 47	6
Particles >38µm		ASTM D7647	>10	1	8	1
Particles >71µm		ASTM D7647	>3	0	2	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/12	<u>21/19/15</u>	20/18/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.22	0.09	0.08



OIL ANALYSIS REPORT



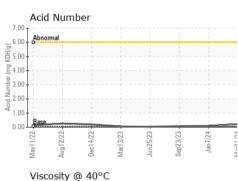


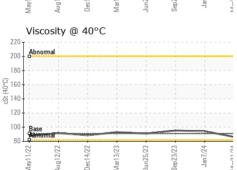


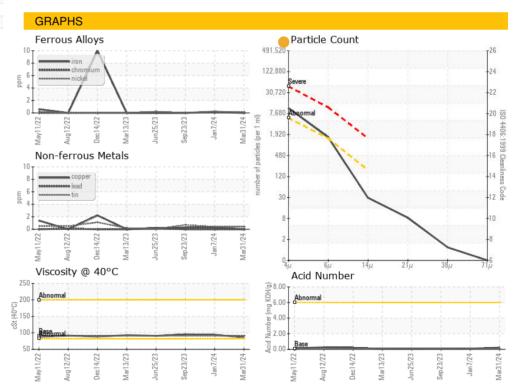


Color













Certificate 12367

Laboratory Sample No. Lab Number

: USPM36552

: 06134957 Unique Number : 10954422

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Apr 2024

Tested : 04 Apr 2024

Test Package : IND 2

Diagnosed : 04 Apr 2024 - Doug Bogart

AMARILLO, TX US Contact: SERVICE MANAGER

TYSON - AMARILLO-PRO

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)

Report Id: TYSAMAPRO [WUSCAR] 06134957 (Generated: 04/05/2024 17:08:19) Rev: 1

Contact/Location: SERVICE MANAGER ? - TYSAMAPRO

T:

F: