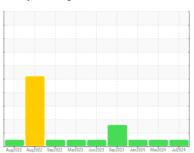


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

BUSCH VP-15 (S/N V183900179)

Vacuum Pump

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 component. The amount and size of particulates present in the system is acceptable.

Fluid Condition

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

		Aug2022 Aug	2022 Sep2022 Mar2023	Jun 2023 Sep 2023 Jan 2024 Mar 20	124 Jul2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37025	USPM36578	USPM30562
Sample Date		Client Info		01 Jul 2024	29 Mar 2024	07 Jan 2024
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	>20	3	4	9
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	2
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	0	<1
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	<1
Calcium	ppm	ASTM D5185m	0	0	4	9
Phosphorus	ppm	ASTM D5185m	1800	519	537	293
Zinc	ppm	ASTM D5185m	0	0	6	35
Sulfur	ppm	ASTM D5185m	0	0	28	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	2	1
Sodium	ppm	ASTM D5185m		<1	2	17
Potassium	ppm	ASTM D5185m	>20	1	0	1
Water	%	ASTM D6304	>.1	0.030	0.019	0.037
ppm Water	ppm	ASTM D6304	>1000	310	194	376
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1957	3188	2834
Particles >6µm		ASTM D7647	>1300	236	767	573
Particles >14µm		ASTM D7647	>160	4	34	30
Particles >21µm		ASTM D7647	>40	1	8	8
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/15/9	19/17/12	19/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.18	0.57	1.26



OIL ANALYSIS REPORT







Certificate 12367

Report Id: TYSAMAPRO [WUSCAR] 06236005 (Generated: 07/16/2024 12:47:43) Rev: 1

Laboratory Sample No.

Lab Number : 06236005 Unique Number : 11124839

: USPM37025

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested** : 16 Jul 2024

Diagnosed : 16 Jul 2024 - Doug Bogart **TYSON-AMARILLO-PRO**

AMARILLO, TX LIS Contact: SERVICE MANAGER

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)

Contact/Location: SERVICE MANAGER ? - TYSAMAPRO

T:

F: