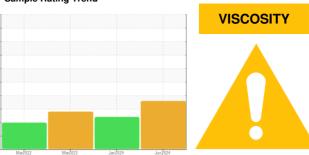


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

PL1 LINE 3 MULTIVAC

Component Vacuum Pump

USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

		Mar202	2 Mar2023	Jan2024 Ji	un2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36476	USPM30743	USPM26887
Sample Date		Client Info		04 Jun 2024	13 Jan 2024	22 Mar 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	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6	0	8
Chromium	ppm	ASTM D5185m	>20	0	0	0
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	0	0	2
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>20	0	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	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	<1	<1
Calcium	ppm	ASTM D5185m	0	0	2	<1
Phosphorus	ppm	ASTM D5185m	1800	261	241	526
Zinc	ppm	ASTM D5185m	0	1	0	<1
Sulfur	ppm	ASTM D5185m	0	806	621	79
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	8	8	8
Sodium	ppm	ASTM D5185m		0	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>.1	0.019	0.017	0.029
ppm Water	ppm	ASTM D6304	>1000	191	177	293.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	8147	▲ 14475	<u></u> 104316
Particles >6µm		ASTM D7647	>1300	<u>2100</u>	1909	<u>▲</u> 11242
Particles >14μm		ASTM D7647	>160	171	97	<u>433</u>
Particles >21µm		ASTM D7647	>40	<u> </u>	21	<u>120</u>
Particles >38µm		ASTM D7647	>10	6	1	<u> </u>
Particles >71µm		ASTM D7647	>3	0	0	2
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/15	<u>\$\text{\Delta}\$ 21/18/14</u>	<u>4</u> 24/21/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: USPM36476 : 06200180 Unique Number : 11062303

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Jun 2024 **Tested** : 06 Jun 2024

Diagnosed : 10 Jun 2024 - Angela Borella

SAINT CHARLES, IL US

Test Package : IND 2 Certificate 12367 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: ? ? - ARMSAIL

Contact:

T:

F: