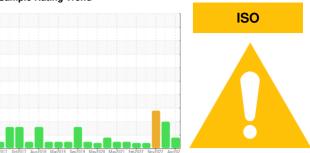


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

VAC 1178656-5 MIDDLE (S/N C8442)

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 high amount of silt (particulates < 6 microns in size) present in the oil.

Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36815	USPM27385	USPM23650
Sample Date		Client Info		23 Apr 2024	16 Jul 2023	17 Nov 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1110	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	>90	1	6	9
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	<1	3
Lead	ppm	ASTM D5185m	>12	0	0	<1
Copper	ppm	ASTM D5185m	>30	0	<1	<1
Tin	ppm	ASTM D5185m	>9	0	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	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	0	0
Calcium	ppm	ASTM D5185m	0	3	<1	2
Phosphorus	ppm	ASTM D5185m	1800	1100	688	1594
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	104	45	137
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	8	7	13
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>.1	0.068	0.032	0.068
ppm Water	ppm	ASTM D6304	>1000	681	329.5	683.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	10910	△ 63483	<u> </u>
Particles >6µm		ASTM D7647	>1300	319	<u>^</u> 21031	<u></u>
Particles >14μm		ASTM D7647	>160	23	▲ 720	4669
Particles >21µm		ASTM D7647	>40	5	▲ 81	<u>▲</u> 857
Particles >38μm		ASTM D7647	>10	0	1	▲ 33
Particles >71μm		ASTM D7647	>3	0	0	<u></u> 5
Oil Cleanliness		ISO 4406 (c)	>19/17/14	21/15/12	△ 23/22/17	2 4/23/19
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06159130

Unique Number : 10994553 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM36815 Received : 24 Apr 2024 **Tested** : 25 Apr 2024

Diagnosed : 26 Apr 2024 - Jonathan Hester

Certificate 12367 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)

Contact/Location: ? ? - JBSBEA

JBS - BEARDSTOWN

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Contact:

T:

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