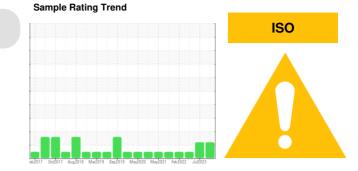


## **OIL ANALYSIS REPORT**

SAMPLE INFORMATION method



current

history1

history2

Machine Id

# VAC 1178648-4 MIDDLE (S/N 5578471) Pump Fluid

**USPI VAC 100 (--- GAL)** 

### DIAGNOSIS

#### Recommendation

#### Wear

#### Contamination

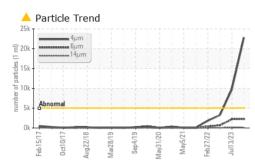
### Fluid Condition

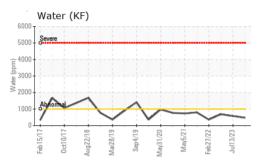
							TISTOLY2
Recommendation	Sample Number		Client Info		USPM36824	USPM27383	USPM23648
esample at the next service interval to monitor.	Sample Date		Client Info		23 Apr 2024	13 Jul 2023	17 Nov 2022
lear	Machine Age	hrs	Client Info		0	0	0
l component wear rates are normal.	Oil Age	hrs	Client Info		0	0	0
Contamination	Oil Changed		Client Info		N/A	N/A	N/A
here is a high amount of silt (particulates < 14	Sample Status				ABNORMAL	ATTENTION	NORMAL
icrons in size) present in the oil.	WEAR METALS		method	limit/base	current	history1	history2
uid Condition						· · · · ·	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Iron	ppm	ASTM D5185m		4	26	11
	Chromium	ppm	ASTM D5185m		0	0	0
	Nickel	ppm	ASTM D5185m	>5	0	0	0
	Titanium	ppm	ASTM D5185m	>3	0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>7	<1	<1	<1
	Lead	ppm	ASTM D5185m	>12	0	0	<1
	Copper	ppm	ASTM D5185m	>30	0	0	0
	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	<1	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum		ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m	0	0	<1	0
	Magnesium	ppm	ASTM D5185m	0	۰ <1	0	0
	Calcium	ppm	ASTM D5185m		<1	0	0
	Phosphorus	ppm	ASTM D5185m		1061	1467	1586
	Zinc	ppm	ASTM D5185m		4	0	0
	Sulfur	ppm ppm	ASTM D5185m		4	58	24
					-		
	CONTAMINANTS		method	limit/base		history1	history2
	Silicon	ppm	ASTM D5185m	>60	2	2	3
	Sodium	ppm	ASTM D5185m		0	1	0
	Potassium	ppm	ASTM D5185m		0	2	0
	Water	%	ASTM D6304		0.046	0.057	0.068
	ppm Water	ppm	ASTM D6304	>1000	469	575.3	684.8
	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647	>5000	<b>A</b> 22820	9700	3222
	Particles >6µm		ASTM D7647	>1300	<mark> </mark> 2251	2215	654
	Particles >14µm		ASTM D7647	>160	76	135	50
	Particles >21µm		ASTM D7647	>40	16	20	13
	Particles >38µm		ASTM D7647	>10	1	1	3
	Particles >71µm		ASTM D7647	>3	1	0	1
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>22/18/13</b>	20/18/14	19/17/13
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
oort Id: JBSBEA [WUSCAR] 06159150 (Generated: 04/26/2024	mg KOH/g	ASTM D8045	0.05	0.18	0.35 Contact/Locatio	0.24	

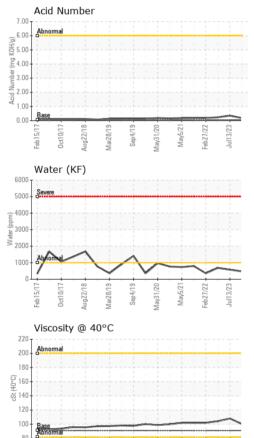
limit/base



# **OIL ANALYSIS REPORT**



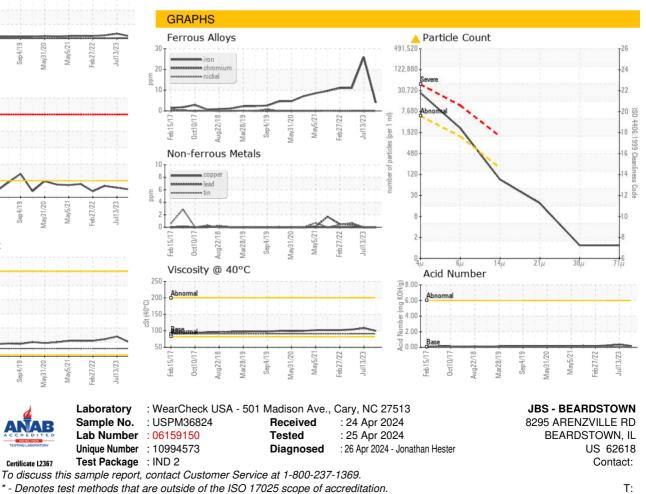




81

eb15/1

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	91	100	108	104
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				. <u>Ö</u> .		Vacuum 1178648 4 Mai WC ID: 304344 JBSBEA
Bottom						



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: JBSBEA [WUSCAR] 06159150 (Generated: 04/26/2024 08:36:10) Rev: 1

Contact/Location: ? ? - JBSBEA

F: