

OIL ANALYSIS REPORT

VAC 1178579-1 P1 E-BTTM (S/N 5588302) Component

Pump Fluid USPI VAC 100 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

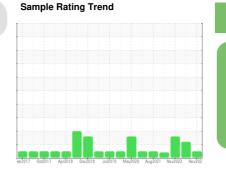
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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





NORMAL

SAMPLE INFORM		method	limit/base	ourront	history	history
	ATION		- inni/base	current	history1	history2
Sample Number		Client Info		USPM31316	USPM27372	USPM23637
Sample Date		Client Info		18 Nov 2023	13 Jul 2023	17 Nov 2022
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	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	21	8
Chromium	ppm	ASTM D5185m	>5	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	0	<1	2
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	0	<1	1
Tin	ppm	ASTM D5185m	>9	<1	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	<1
Magnesium	ppm	ASTM D5185m	0	<1	2	0
Calcium	ppm	ASTM D5185m	0	<1	1	<1
Phosphorus	ppm	ASTM D5185m	1800	1425	699	860
Zinc	ppm	ASTM D5185m	0	0	7	15
Sulfur	ppm	ASTM D5185m	0	8	669	839
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	3	2	4
Sodium	ppm	ASTM D5185m	200	0	3	0
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D510301		0.041	0.028	0.031
ppm Water	ppm	ASTM D6304	>1000	410.3	287.8	311.4
FLUID CLEANLIN	ES <u>S</u>	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3413		▲ 5068
Particles >6µm		ASTM D7647	>1300	975		▲ 1325
Particles >14µm		ASTM D7647	>160	61		115
Particles >21µm		ASTM D7647		12		32
Particles >38µm		ASTM D7647	>10	1		2
Particles >71µm				0		1
Oil Cleanliness		ISO 4406 (c)	>3 >19/17/14	0 19/17/13		▲ 20/18/14
FLUID DEGRADA		method	limit/base	current	history1	history2
						0.30
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.28	0.19 Contact/Leastia	

Report Id: JBSBEA [WUSCAR] 06010893 (Generated: 11/20/2023 16:15:41) Rev: 1

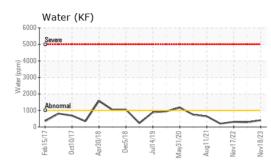
Contact/Location: ? ? - JBSBEA

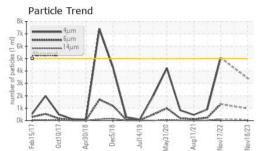


Water (KF)

6000

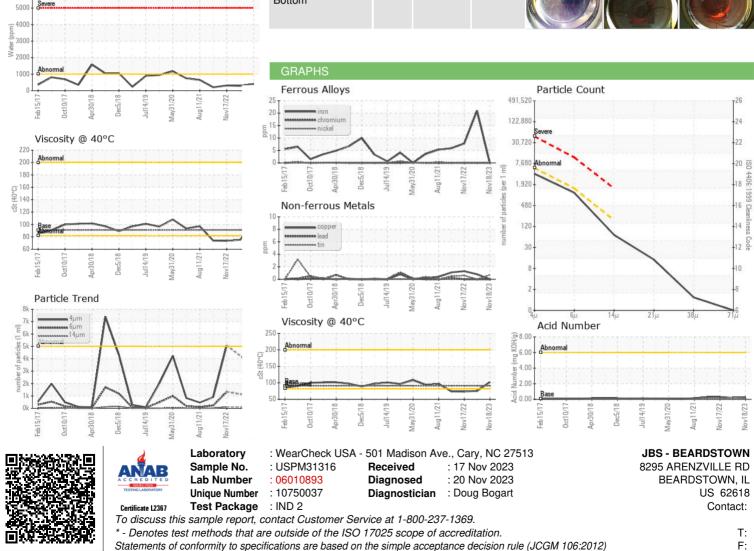
OIL ANALYSIS REPORT







Bottom



Page 2 of 2