

PROBLEM SUMMARY

VP-8 (S/N C-4255)

Pump Fluid USPI VAC 100 (--- GAL)

COMPONENT CONDITION SUMMARY 🔺 Water 1.20 Severe 0.96 .0.72 • water ^{يو} 0.24 Abnormal 0.00 Sep26/19 -Vov27/18 Sep16/20 Nov16/21 Mar6/18 Vov15/22 Mar8/

RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status			MARGINAL	NORMAL	NORMAL					
Water	%	ASTM D6304	A 0.110	0.027	0.033					
ppm Water	ppm	ASTM D6304 >.1	1109.7	276.6	339.7					

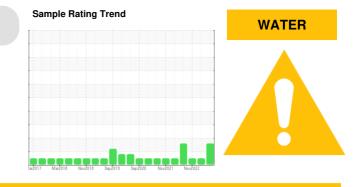
Customer Id: JBSBRO Sample No.: USPM27099 Lab Number: 05901883 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

28 Feb 2023 Diag: Doug Bogart



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



15 Nov 2022 Diag: Doug Bogart

21 Jul 2022 Diag: Jonathan Hester



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WATER



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Sample Date Client Info 17 Jul 2023 28 Feb 2023 15 Nov 2 Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info 0 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A N/A Sample Status Imit Date Limit Date current history1 history1 Iron ppm ASTM D5185n >50 0 0 0 Nickel ppm ASTM D5185n >3 0 0 0 Nickel ppm ASTM D5185n >3 0 0 0 Aluminum ppm ASTM D5185n >12 0 0 0 Cadmium ppm ASTM D5185n >30 0 0 0 0 Adatimum ppm ASTM D5185n >30 0 0 0 0 Adatimum ppm ASTM D5185n	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A N/A WEAR METALS method limit/base current history1 history1 WEAR METALS method limit/base current history1 history1 WEAR METALS method limit/base current history1 history1 Tron ppm ASTM D5185m >55 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >3 0 0 0 0 Copper ppm ASTM D5185m >3 0 0 0 0 0 Copper ppm ASTM D5185m 30 0 0 0 0 0 Copper	Sample Number		Client Info		USPM27099	USPM26781	USPM24885
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Manganese ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 Phosphorus ppm ASTM D5185m 1800 1490 1435 1573 Zinc ppm ASTM D5185m 0 0 0 0 Sulfur ppm ASTM D5185m 0 7 <1	Barium	ppm	ASTM D5185m	0	0	0	0
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Sodium ppm ASTM D5185m 0 0 0 Potassium ppm ASTM D5185m >20 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D5185m 0 0 0 Potassium ppm ASTM D5185m >20 <1	Silicon	ppm	ASTM D5185m	>60	2	2	<1
Potassium ppm ASTM D5185m >20 <1 0 0 Water % ASTM D6304 ▲ 0.110 0.027 0.033 ppm Water ppm ASTM D6304 >.1 ▲ 1109.7 276.6 339.7 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 >5000 299 393 623 Particles >6µm ASTM D7647 >1300 89 114 117 Particles >6µm ASTM D7647 >160 7 7 10 Particles >21µm ASTM D7647 >40 2 1 5 Particles >38µm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 15/14/10 16/14/10 16/14/10	Sodium		ASTM D5185m		0		0
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Particles >21μm ASTM D7647 >40 2 1 5 Particles >38μm ASTM D7647 >10 0 0 1 Particles >38μm ASTM D7647 >10 0 0 1 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 15/14/10 16/14/10 16/14/10 FLUID DEGRADATION method limit/base current history1 history1	Particles >6µm		ASTM D7647	>1300	89	114	117
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Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >19/17/14 15/14/10 16/14/10 16/14/10 FLUID DEGRADATION method limit/base current history1 history1	Particles >21µm		ASTM D7647	>40	2	1	5
Oil Cleanliness ISO 4406 (c) >19/17/14 15/14/10 16/14/10 16/14/10 FLUID DEGRADATION method limit/base current history1 history1	Particles >38µm		ASTM D7647	>10	0	0	1
Oil Cleanliness ISO 4406 (c) >19/17/14 15/14/10 16/14/10 16/14/10 FLUID DEGRADATION method limit/base current history1 history1	Particles >71µm		ASTM D7647	>3	0	0	0
-			ISO 4406 (c)	>19/17/14	15/14/10	16/14/10	16/14/10
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASIM D8045 0.05 0.25 0.20 0.18	Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.25	0.20	0.18

VP-8 (S/N C-4255)

Pump Fluid

USPI VAC 100 (--- GAL)

DIAGNOSIS

A Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

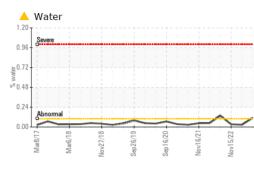
There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable.

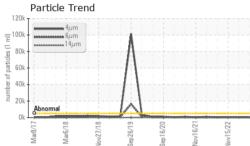
Fluid Condition

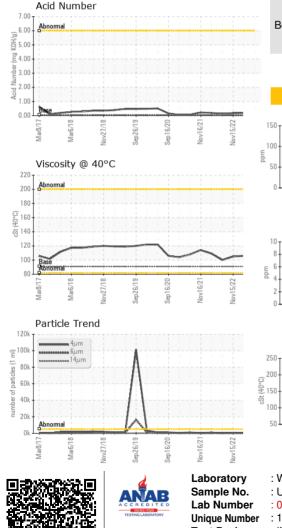
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



OIL ANALYSIS REPORT

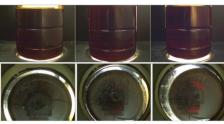




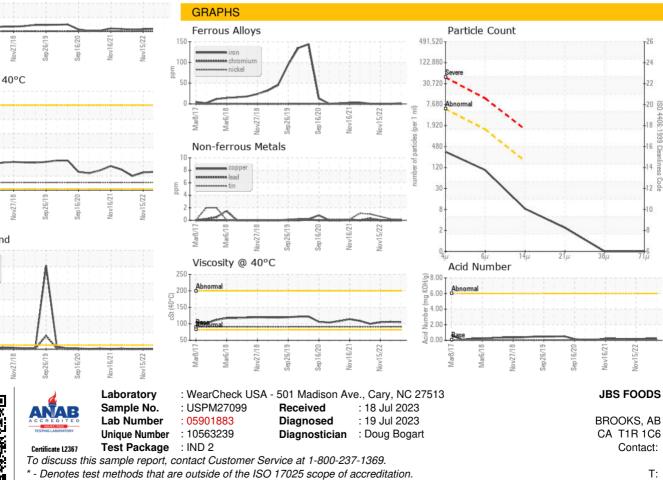


VISUAL method limit/base history1 history2 current NONE NONE White Metal *Visual NONE NONE scalar Yellow Metal NONE NONE NONE NONE scalar *Visual Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris *Visual NONE NONE NONE scalar NONE Sand/Dirt scalar *Visual NONE NONE NONE NORML Appearance *Visual NORML NORML NORML scalar Odor *Visual NORML NORML NORML scalar NORML **Emulsified Water** scalar *Visual NEG NEG NEG Free Water scalar *Visual NEG NEG NEG FLUID PROPERTIES method limit/base curren history history2 105 Visc @ 40°C cSt ASTM D445 91 105 106 SAMPLE IMAGES method limit/base current history1 history2

Color



Bottom



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

Contact/Location: ? ? - JBSBRO

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