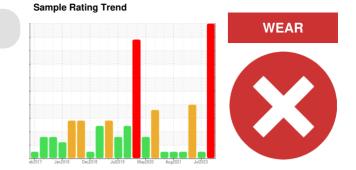
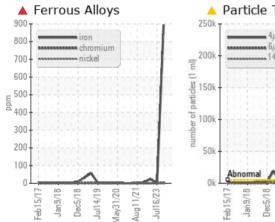


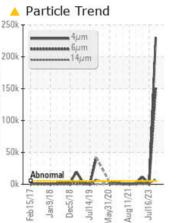
# **PROBLEM SUMMARY**

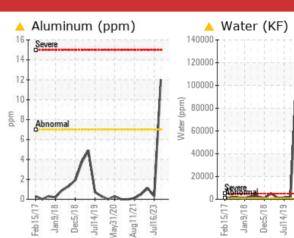


Machine Id VAC Component Pump Fluid USPI VAC 100 (--- GAL)

## COMPONENT CONDITION SUMMARY







### RECOMMENDATION

We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS							
Sample Status				SI	EVERE	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>90		895	1	23
Aluminum	ppm	ASTM D5185m	>7		12	<1	1
Water	%	ASTM D6304	>.1		0.132	0.041	<b>0.109</b>
ppm Water	ppm	ASTM D6304	>1000		1325	414.4	<b>1</b> 091.3
Particles >4µm		ASTM D7647	>5000		230547	1484	<b>11068</b>
Particles >6µm		ASTM D7647	>1300		149839	459	<u> </u>
Particles >14µm		ASTM D7647	>160		8642	23	<u> </u>
Particles >21µm		ASTM D7647	>40		1638	5	<u> </u>
Particles >38µm		ASTM D7647	>10		95	0	<u> </u>
Particles >71µm		ASTM D7647	>3		5	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14		25/24/20	18/16/12	<b>1</b> /19/15
Particles >14μm Particles >21μm Particles >38μm Particles >71μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>160 >40 >10 >3		8642 1638 95 5	23 5 0 0	<ul> <li>▲ 238</li> <li>▲ 90</li> <li>▲ 12</li> <li>1</li> </ul>

Customer Id: JBSBEA Sample No.: USPM36822 Lab Number: 06159151 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 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com Aug11/21

Jul16/23

May31/20

RECOM	IENDED	) ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.
Change Filter			?	We recommend you service the filters on this component.
Resample			?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS



## 16 Jul 2023 Diag: Doug Bogart

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



view report



### 17 Nov 2022 Diag: Doug Bogart

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. There is a trace of moisture present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

#### 27 Feb 2022 Diag: Doug Bogart



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







# **OIL ANALYSIS REPORT**

Sample Rating Trend

WEAR

# Machine Id VAC 1178644-4 NORTH (S/N 5588349) Pump

Fluid USPI VAC 100 (--- GAL)

## DIAGNOSIS

### A Recommendation

We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

### A Wear

Gear wear is indicated.

### Contamination

There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid.

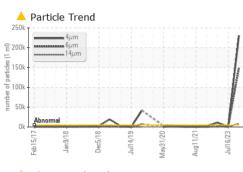
Sample Date         Client Info         23 Apr 2024         16 Jul 2023         17 Nov 2022           Machine Age         hrs         Client Info         0         0         0           Oil Age         hrs         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         method         Imit/base         current         history1         history2           Iron         ppm         ASTM 05185n         >90         & 895         1         23           Oncol         0         0         0         0         0         0           Nickel         ppm         ASTM 05185n         >5         0         0         0           Olickel         ppm         ASTM 05185n         >3         0         0         0           Aluminum         ppm         ASTM 05185n         >12         <1	SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         0         0         0         0           Oil Age         hrs         Client Info         NA         N/A         N/A           Sample Status         Client Info         N/A         N/A         N/A         ABNORMAL           WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >5         0         0         0           Nickel         ppm         ASTM D5185m         >5         0         0         0           Silver         ppm         ASTM D5185m         >3         0         -1         0           Copper         ppm         ASTM D5185m         >2         -1         0         0           Vanadium         ppm         ASTM D5185m         >2         -1         0         -1           Lead         ppm         ASTM D5185m         >2         -1         0         -1           Antimony         ppm         ASTM D5185m         0         0         -1         0           Antimony         ppm         ASTM D5185m         0         0         0         0	Sample Number		Client Info		USPM36822	USPM27381	USPM23646
Old Age         hrs         Client Info         0         0         0           Oil Changed         Client Info         N/A         N/A         N/A         N/A           Sample Status         method         limi/base         current         history1         history2           Iron         ppm         ASTM D5185m         >5         2         0         0           Nickel         ppm         ASTM D5185m         >5         0         0         0           Nickel         ppm         ASTM D5185m         >5         0         0         0           Aluminum         ppm         ASTM D5185m         >3         0         0         0           Aluminum         ppm         ASTM D5185m         >3         0         0         0           Aluminum         ppm         ASTM D5185m         >3         0         0         0           Cadadium         ppm         ASTM D5185m         >3         0         0         0         0           Adminum         ppm         ASTM D5185m         9         <1	Sample Date		Client Info		23 Apr 2024	16 Jul 2023	17 Nov 2022
Oil Changed Sample Status         Client Info         N/A         N/A         N/A         N/A           WEAR METALS         method         Imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >90         A 895         1         23           Chromium         ppm         ASTM D5185m         >5         0         0         0           Nickel         ppm         ASTM D5185m         >5         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         <11	Machine Age	hrs	Client Info		0	0	0
Oil Changed         Client Info         N/A         N/A         N/A           Sample Status         Image: content image:	Oil Age	hrs	Client Info		0	0	0
Sample Status         SEVERE         NORMAL         ABNORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >90         & 895         1         23           Chromium         ppm         ASTM D5185m         >5         2         0         0           Nickel         ppm         ASTM D5185m         >5         0         0         0           Titanium         ppm         ASTM D5185m         >3         0         <1	-		Client Info		N/A	N/A	N/A
Iron         ppm         ASTM D5185m         >90         ▲ 895         1         23           Chromium         ppm         ASTM D5185m         >5         0         0         0           Nickel         ppm         ASTM D5185m         >5         0         0         0           Silver         ppm         ASTM D5185m         >3         0         <1	U				SEVERE	NORMAL	ABNORMAL
Chromium         ppm         ASTM D5185m         >5         Q         0         0           Nickel         ppm         ASTM D5185m         >5         0         0         0           Silver         ppm         ASTM D5185m         >3         0         <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel         ppm         ASTM D5185m         >5         0         0         0           Titanium         ppm         ASTM D5185m         >3         0         <1	Iron	ppm	ASTM D5185m	>90	<b>A</b> 895	1	23
Imanue         ppm         ASTM D5185m         >3         0         <1         0           Silver         ppm         ASTM D5185m         >3         0         0         0           Aluminum         ppm         ASTM D5185m         >3         0         0         0           Copper         ppm         ASTM D5185m         >30         <1	Chromium	ppm	ASTM D5185m	>5	2	0	0
Titanium         ppm         ASTM D5185m         >3         0         <1         0           Silver         ppm         ASTM D5185m         >3         0         0         0           Auminum         ppm         ASTM D5185m         >7         ▲ 12         <1	Nickel	ppm	ASTM D5185m	>5	0	0	0
Silver         ppm         ASTM D5185m         >3         0         0         0           Aluminum         ppm         ASTM D5185m         >7         ▲ 12         <1	Titanium		ASTM D5185m	>3	0	<1	0
Aluminum         ppm         ASTM D5185m         >7         ▲ 12         <1         1           Lead         ppm         ASTM D5185m         >12         <1	Silver		ASTM D5185m	>3	0	0	0
Lead         ppm         ASTM D5185m         >12         <1         0         0           Copper         ppm         ASTM D5185m         >30         <1	Aluminum		ASTM D5185m	>7	<u> </u>	<1	1
Copper         ppm         ASTM D5185m         >30         <1         0         <1           Tin         ppm         ASTM D5185m         >9         <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       0         ADDITIVES       method       limit/base       current       history1       history2         Boron       ppm       ASTM D5185m       0       2       <1       1         Barium       ppm       ASTM D5185m       0       0       0       0       0         Magnesium       ppm       ASTM D5185m       0       1       0       0       0         Calcium       ppm       ASTM D5185m       0       1243       1026       950         Zinc       ppm       ASTM D5185m       0       17       19       184         CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185m       20       1       0       0       0         Sodium       ppm       ASTM D5185m       20<							÷
Antimony         ppm         ASTM D5185m              Vanadium         ppm         ASTM D5185m         0         <1							
Vanadium         ppm         ASTM D5185m         0         <1         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         2         <1							
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         2         <1         1           Barium         ppm         ASTM D5185m         0         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0         0           Manganese         ppm         ASTM D5185m         0         1         0         0           Galcium         ppm         ASTM D5185m         0         1         0         0           Calcium         ppm         ASTM D5185m         0         1         0         0           Calcium         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         20         1         0							
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         2         <1					-		
Boron         ppm         ASTM D5185m         0         2         <1         1           Barium         ppm         ASTM D5185m         0         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0         0           Manganese         ppm         ASTM D5185m         0         1         0         0           Magnesium         ppm         ASTM D5185m         0         1         0         0           Calcium         ppm         ASTM D5185m         0         7         0         0           Calcium         ppm         ASTM D5185m         0         11         0         7           Stlifur         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         0         17         19         184           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >0         14         8         15           Sodium         ppm         ASTM D5185m         >20 <t< td=""><td></td><td>ppm</td><td>ASTM 05185M</td><td></td><td>U</td><td>0</td><td>U</td></t<>		ppm	ASTM 05185M		U	0	U
Barium         ppm         ASTM D5185n         0         0         0         0         0           Molybdenum         ppm         ASTM D5185n         0         0         0         0           Maganese         ppm         ASTM D5185n         2         <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         2         <1	Boron	ppm	ASTM D5185m	0			
Manganese       ppm       ASTM D5185m       2       <1       0         Magnesium       ppm       ASTM D5185m       0       1       0       0         Calcium       ppm       ASTM D5185m       0       7       0       0         Phosphorus       ppm       ASTM D5185m       0       11       0       7         Sulfur       ppm       ASTM D5185m       0       11       0       7         Sulfur       ppm       ASTM D5185m       0       17       19       184         CONTAMINANTS       method       limit/base       current       history1       history2         Silicon       ppm       ASTM D5185m       >60       14       8       15         Sodium       ppm       ASTM D5185m       >20       <1       1       0         Water       %       ASTM D6304       >.1       0.132       0.0411       0.109         ppm       ASTM D6304       >.1       0.132       0.041       0.109         ppm       ASTM D6304       >.1000       1325       414.4       11068         Particles >4µm       ASTM D7647       >5000       230547       1484       11068	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium         ppm         ASTM D5185m         0         1         0         0           Calcium         ppm         ASTM D5185m         0         7         0         0           Phosphorus         ppm         ASTM D5185m         0         1243         1026         950           Zinc         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         0         17         19         184           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         0         14         8         15           Sodium         ppm         ASTM D5185m         >60         14         8         15           Potassium         ppm         ASTM D5185m         >20         <1	Molybdenum	ppm	ASTM D5185m	0	0	0	0
Calcium         ppm         ASTM D5185m         0         7         0         0           Phosphorus         ppm         ASTM D5185m         1800         1243         1026         950           Zinc         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         0         17         19         184           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >60         14         8         15           Sodium         ppm         ASTM D5185m         20         <1	Manganese	ppm	ASTM D5185m		2	<1	0
Phosphorus         ppm         ASTM D5185m         1800         1243         1026         950           Zinc         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         0         17         19         184           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >60         14         8         15           Sodium         ppm         ASTM D5185m         >60         14         8         15           Potassium         ppm         ASTM D5185m         >20         <1	Magnesium	ppm	ASTM D5185m	0	1	0	0
Zinc         ppm         ASTM D5185m         0         11         0         7           Sulfur         ppm         ASTM D5185m         0         17         19         184           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >60         14         8         15           Sodium         ppm         ASTM D5185m         2         <1	Calcium	ppm	ASTM D5185m	0	7	0	0
Sulfur         ppm         ASTM D5185m         0         17         19         184           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >60         14         8         15           Sodium         ppm         ASTM D5185m         >60         14         8         15           Potassium         ppm         ASTM D5185m         >20         <1         1         0           Water         %         ASTM D5185m         >20         <1         1         0           Water         %         ASTM D50304         >.1         △         0.132         0.041         △         0.109           ppm Water         ppm         ASTM D6304         >.1         △         0.132         0.041         △         0.109           Particles >4µm         ASTM D6304         >.1000         ▲         1325         414.4         △         1091.3           Particles >4µm         ASTM D7647         >5000         ▲         230547         1484         △         1068           Particles >6µm         ASTM D7647         1300         △         149839	Phosphorus	ppm	ASTM D5185m	1800	1243	1026	950
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >60         14         8         15           Sodium         ppm         ASTM D5185m         2         <1	Zinc	ppm	ASTM D5185m	0	11	0	7
Silicon       ppm       ASTM D5185m       >60       14       8       15         Sodium       ppm       ASTM D5185m       2       <1       5         Potassium       ppm       ASTM D5185m       >20       <1       1       0         Water       %       ASTM D6304       >.1       ▲       0.132       0.041       ▲       0.109         ppm Water       ppm       ASTM D6304       >.1       ▲       0.132       0.041       ▲       0.109         ppm Water       ppm       ASTM D6304       >.1       ▲       0.132       0.041       ▲       0.109         ppm Water       ppm       ASTM D6304       >.1000       ▲       1325       414.4       ▲       1091.3         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       ▲       230547       1484       ▲       11068         Particles >6µm       ASTM D7647       >1300       ▲       149839       459       △       2627         Particles >14µm       ASTM D7647       >160       &       8642       23       △       238	Sulfur	ppm	ASTM D5185m	0	17	19	184
Sodium         ppm         ASTM D5185m         2         <1         5           Potassium         ppm         ASTM D5185m         >20         <1	CONTAMINANTS	3	method	limit/base	current	history1	history2
Potassium       ppm       ASTM D5185m       >20       <1       1       0         Water       %       ASTM D6304       >.1       ▲ 0.132       0.041       ▲ 0.109         ppm       Water       ppm       ASTM D6304       >.1       ▲ 0.132       0.041       ▲ 0.109         ppm       Water       ppm       ASTM D6304       >1000       ▲ 1325       414.4       ▲ 1091.3         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       ▲ 230547       1484       ▲ 11068         Particles >6µm       ASTM D7647       >1300       ▲ 149839       459       ▲ 2627         Particles >6µm       ASTM D7647       >160       & 8642       23       ▲ 238         Particles >14µm       ASTM D7647       >40       ▲ 1638       5       ④ 90         Particles >21µm       ASTM D7647       >10       ● 95       0       ▲ 12         Particles >71µm       ASTM D7647       >3       ▲ 5       0       1         Oil Cleanliness       ISO 4406 (c)       >19/17/14       25/24/20       18/16/12       21/19/15         FLUID DEGRADATION	Silicon	ppm	ASTM D5185m	>60	14	8	15
Water       %       ASTM D6304       >.1       ▲       0.132       0.041       ▲       0.109         ppm       Water       ppm       ASTM D6304       >1000       ▲       1325       414.4       ▲       1091.3         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       ▲       230547       1484       ▲       11068         Particles >6µm       ASTM D7647       >5000       ▲       230547       1484       ▲       11068         Particles >6µm       ASTM D7647       >1300       ▲       149839       459       ▲       2627         Particles >14µm       ASTM D7647       >160       ▲       8642       23       ▲       238         Particles >21µm       ASTM D7647       >40       ▲       1638       5       ④       90         Particles >38µm       ASTM D7647       >3       ▲       5       0       1       21/19/15         Particles >71µm       ASTM D7647       >3       ▲       5       0       1       21/19/15         Gil Cleanliness       ISO 4406 (c)       19/17/14       25/24/20	Sodium	ppm	ASTM D5185m		2	<1	5
ppm Water         ppm         ASTM D6304         >1000         ▲         1325         414.4         ▲         1091.3           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >5000         ▲         230547         1484         ▲         11068           Particles >6µm         ASTM D7647         >1300         ▲         149839         459         △         2627           Particles >6µm         ASTM D7647         >160         ▲         8642         23         △         238           Particles >14µm         ASTM D7647         >40         ▲         1638         5         ●         90           Particles >21µm         ASTM D7647         >40         ▲         1638         5         ●         90           Particles >38µm         ASTM D7647         >10         ●         95         0         12           Particles >71µm         ASTM D7647         >3         ▲         5         0         1           Oil Cleanliness         ISO 4406 (c)         >19/17/14         25/24/20         18/16/12         21/19/15           FLUID DEGRADATION         method	Potassium	ppm	ASTM D5185m	>20	<1	1	0
FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >5000       230547       1484       11068         Particles >6µm       ASTM D7647       >1300       149839       459       2627         Particles >6µm       ASTM D7647       >160       8642       23       238         Particles >14µm       ASTM D7647       >40       1638       5       90         Particles >21µm       ASTM D7647       >40       1638       5       90         Particles >38µm       ASTM D7647       >10       95       0       12         Particles >71µm       ASTM D7647       >3       5       0       1         Oil Cleanliness       ISO 4406 (c)       >19/17/14       25/24/20       18/16/12       21/19/15         FLUID DEGRADATION       method       limit/base       current       history1       history2	Water	%	ASTM D6304	>.1	<b></b> 0.132	0.041	▲ 0.109
Particles >4µm       ASTM D7647       >5000       ▲ 230547       1484       ▲ 11068         Particles >6µm       ASTM D7647       >1300       ▲ 149839       459       ▲ 2627         Particles >14µm       ASTM D7647       >160       ▲ 8642       23       ▲ 238         Particles >21µm       ASTM D7647       >40       ▲ 1638       5       ● 90         Particles >21µm       ASTM D7647       >40       ▲ 1638       5       ▲ 90         Particles >38µm       ASTM D7647       >10       ▲ 95       0       ▲ 12         Particles >71µm       ASTM D7647       >3       ▲ 5       0       1         Oil Cleanliness       ISO 4406 (c)       >19/17/14       25/24/20       18/16/12       ▲ 21/19/15         FLUID DEGRADATION       method       limit/base       current       history1       history2	ppm Water	ppm	ASTM D6304	>1000	<b>1</b> 325	414.4	▲ 1091.3
Particles >6µm       ASTM D7647       >1300       ▲ 149839       459       ▲ 2627         Particles >14µm       ASTM D7647       >160       ▲ 8642       23       ▲ 238         Particles >21µm       ASTM D7647       >40       ▲ 1638       5       ▲ 90         Particles >38µm       ASTM D7647       >10       ▲ 95       0       ▲ 12         Particles >38µm       ASTM D7647       >3       ▲ 5       0       1         Oil Cleanliness       ISO 4406 (c)       >19/17/14       25/24/20       18/16/12       ▲ 21/19/15         FLUID DEGRADATION       method       limit/base       current       history1       history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm       ASTM D7647       >160       ▲ 8642       23       ▲ 238         Particles >21µm       ASTM D7647       >40       ▲ 1638       5       ▲ 90         Particles >38µm       ASTM D7647       >10       ▲ 95       0       ▲ 12         Particles >71µm       ASTM D7647       >3       ▲ 5       0       1         Oil Cleanliness       ISO 4406 (c)       >19/17/14       ▲ 25/24/20       18/16/12       ▲ 21/19/15         FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >4µm		ASTM D7647	>5000	<b>A</b> 230547	1484	▲ 11068
Particles >21µm       ASTM D7647       >40       ▲ 1638       5       ▲ 90         Particles >38µm       ASTM D7647       >10       ▲ 95       0       ▲ 12         Particles >71µm       ASTM D7647       >3       ▲ 5       0       1         Oil Cleanliness       ISO 4406 (c)       >19/17/14       ▲ 25/24/20       18/16/12       ▲ 21/19/15         FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >6µm		ASTM D7647	>1300	<u> </u>	459	<u> </u>
Particles >38μm         ASTM D7647         >10         ▲ 95         0         ▲ 12           Particles >71μm         ASTM D7647         >3         ▲ 5         0         1           Oil Cleanliness         ISO 4406 (c)         >19/17/14         ▲ 25/24/20         18/16/12         ▲ 21/19/15           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >14µm		ASTM D7647	>160	<b>A</b> 8642	23	<u> </u>
Particles >38μm         ASTM D7647         >10         ▲ 95         0         ▲ 12           Particles >71μm         ASTM D7647         >3         ▲ 5         0         1           Oil Cleanliness         ISO 4406 (c)         >19/17/14         ▲ 25/24/20         18/16/12         ▲ 21/19/15           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >21µm		ASTM D7647	>40	<u> </u>	5	<u> </u>
Particles >71μm         ASTM D7647         >3         ▲ 5         0         1           Oil Cleanliness         ISO 4406 (c)         >19/17/14         ▲ 25/24/20         18/16/12         ▲ 21/19/15           FLUID DEGRADATION         method         limit/base         current         history1         history2							
Oil Cleanliness       ISO 4406 (c) >19/17/14 ▲ 25/24/20       18/16/12 ▲ 21/19/15         FLUID DEGRADATION       method       limit/base       current       history1       history2	•						
	FLUID DEGRADA		method	limi <u>t/base</u>	current	history1	history2

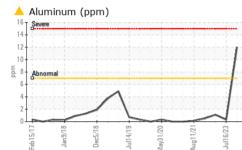
Report Id: JBSBEA [WUSCAR] 06159151 (Generated: 05/04/2024 04:15:22) Rev: 1

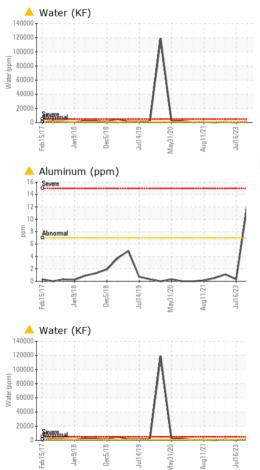
Contact/Location: ? ? - JBSBEA



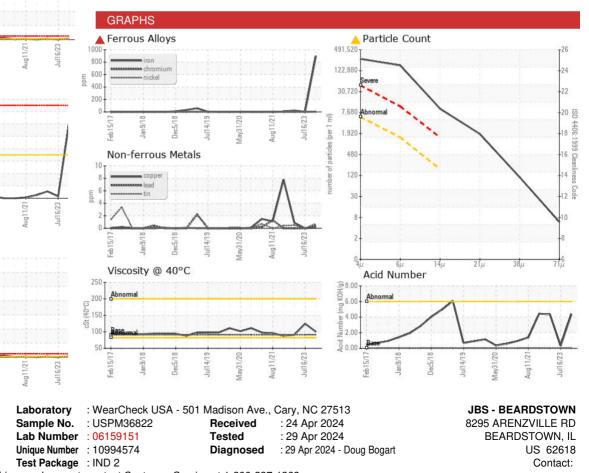
# **OIL ANALYSIS REPORT**







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	124.6	90.7
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color				-		Vacia 1178644 ru WC ID Solo JSSEJ
Bottom			ĺ	(3)		



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)

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Certificate 12367

Contact/Location: ? ? - JBSBEA

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