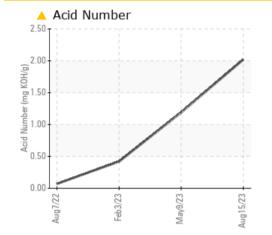


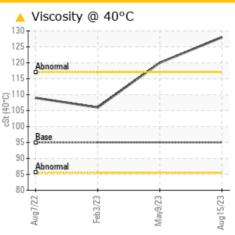
PROBLEM SUMMARY

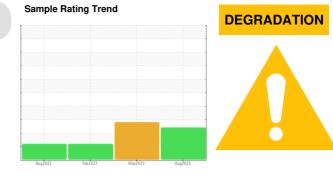
Area VACUUM PUMP Machine Id B68194 - BATCHING SYSTEM VACUUM MIXER 1 Component

Vacuum Pump Fluid BUSCH R530S (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ATTENTION		
Particles >4µm		ASTM D7647	>5000	🔺 5595	▲ 8600	A 8701		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 20/17/13	🔺 20/18/14	🔺 20/18/13		
Acid Number (AN)	mg KOH/g	ASTM D8045		<u> </u>	1 .19	0.42		
Visc @ 40°C	cSt	ASTM D445	95.0	128	1 20	106		

Customer Id: PAPOMA Sample No.: WC0838795 Lab Number: 05926099 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

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

RECOMMENDED A	CTIONS			
Action	Status	Date	Done By	Des
Service/change Fluid			?	The char

Description

The oil is near the end of it's useful service life, recommend schedule an oil change.

HISTORICAL DIAGNOSIS

09 May 2023 Diag: Jonathan Hester

DEGRADATION



The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is higher than normal. The AN level is at the top-end of the recommended limit.

view report

03 Feb 2023 Diag: Jonathan Hester



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 moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

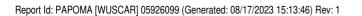




07 Aug 2022 Diag: Doug Bogart

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 high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

Area VACUUM PUMP Machine Id B68194 - BATCHING SYSTEM VACUUM MIXER 1 Component

Vacuum Pump Fluid BUSCH R530S (--- GAL)

DIAGNOSIS

Recommendation

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

Wear

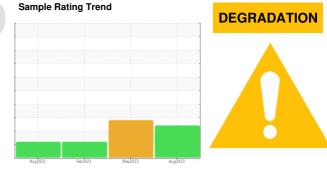
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The oil viscosity is higher than normal. The AN level is at the top-end of the recommended limit.



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0838795	WC0691451	WC0691450
Sample Date		Client Info		15 Aug 2023	09 May 2023	03 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	<1	1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	<1
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	1	0
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		<1	2	0
Calcium	ppm	ASTM D5185m		0	0	2
Phosphorus	ppm	ASTM D5185m		3	3	6
Zinc	ppm	ASTM D5185m		0	0	1
Sulfur	ppm	ASTM D5185m		92	49	85
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	10	7	7
Sodium	ppm	ASTM D5185m		0	2	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6 5595	▲ 8600	A 8701
Particles >6µm		ASTM D7647	>1300	1210	<u> </u>	1636
Particles >14µm		ASTM D7647	>160	55	120	56
Particles >21µm		ASTM D7647	>40	11	22	11
Particles >38µm		ASTM D7647	>10	1	3	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 20/17/13	2 0/18/14	▲ 20/18/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		A 2.02	1 .19	0.42



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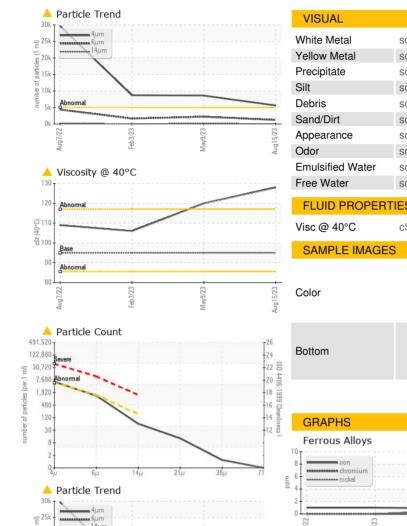
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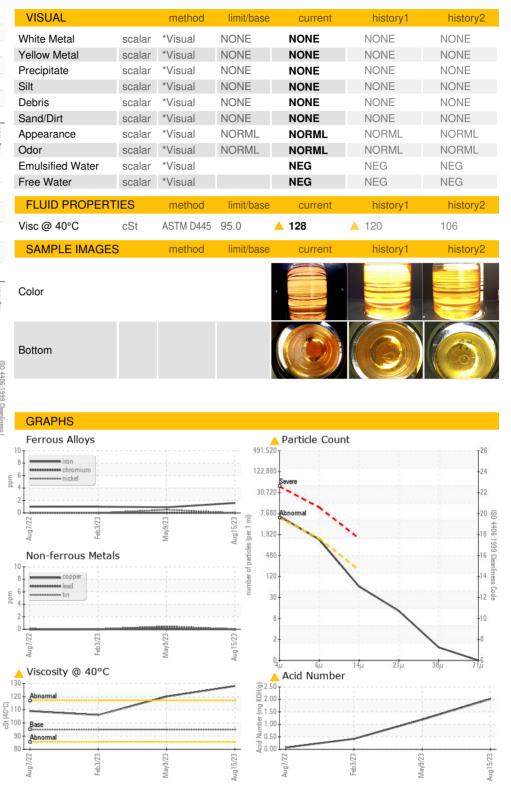
Aug7/22

eb3/23

Mav9/23

OIL ANALYSIS REPORT





PAPILLION FOODS Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0838795 Received 10808 S 132ND ST : 16 Aug 2023 Lab Number OMAHA, NE : 05926099 Diagnosed : 17 Aug 2023 : Don Baldridge US 68138 Unique Number : 10606046 Diagnostician Test Package : IND 2 (Additional Tests: PrtCount) Contact: NEIL ARIANO Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. njariano@hormel.com T: * - 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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