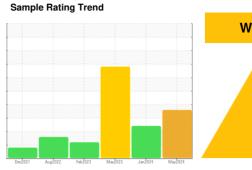


OIL ANALYSIS REPORT

VACUUM PUMP B68184 - VACUUM PUMP ROTARY VANE

Vacuum Pump

BUSCH R530S (--- GAL)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

Appearance is hazy. There is a moderate amount of particulates present in the oil.

Fluid Condition

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

		Dec2021	Aug2022 Feb2023	May2023 Jan2024	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0856055	WC0872418	WC0691453
Sample Date		Client Info		06 May 2024	30 Jan 2024	09 May 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	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	△ 31	0	4
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	1	0	0
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		3	0	4
Calcium	ppm	ASTM D5185m		<1	0	0
Phosphorus	ppm	ASTM D5185m		0	0	1
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		3559	0	58
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	7	0
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>.1	0.039	△ 0.168	△ 0.137
ppm Water	ppm	ASTM D6304	>1000	390	▲ 1680	<u></u> 1370
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2871		5742
Particles >6µm		ASTM D7647	>1300	1564		<u>▲</u> 3128
Particles >14µm		ASTM D7647	>160	266		<u></u> 532
Particles >21µm		ASTM D7647	>40	9 0		<u>▲</u> 179
Particles >38µm		ASTM D7647	>10	14		<u>^</u> 28
Particles >71µm		ASTM D7647	>3	1		<u>^</u> 3
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/18/15		<u>^</u> 20/19/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.069	0.068	0.92



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

Lab Number

: WC0856055 : 06175445 Unique Number : 11021498

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed : 18 May 2024 - Jonathan Hester

: 10 May 2024

: 18 May 2024

Test Package : IND 2 (Additional Tests: KF, PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

PAPILLION FOODS 10808 S 132ND ST OMAHA, NE US 68138

Contact: NEIL ARIANO njariano@hormel.com

T:

Report Id: PAPOMA [WUSCAR] 06175445 (Generated: 05/18/2024 13:55:05) Rev: 1

Submitted By: NEIL ARIANO

F: