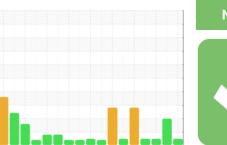


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

BUSCH 12 VACUUM (S/N S00311FMNLHGA03)

Compone **Pump**

USPI MAX FG VAC 100 (--- GAL)

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Recommendation

Resample at the next service interval to monitor.

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.

	ნოქ2016 პიძ2019 Fონ-2020 მოგ2020 მოგ2022 May2022 Jan2023 Jan2023 Jan2023 Jan202							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		USPM36484	USPM30939	USP243704		
Sample Date		Client Info		04 Jun 2024	08 Feb 2024	04 Jun 2023		
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	NORMAL		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>90	0	0	<1		
Chromium	ppm	ASTM D5185m	>5	0	0	0		
Nickel	ppm	ASTM D5185m	>5	0	0	0		
Titanium	ppm	ASTM D5185m	>3	0	0	0		
Silver	ppm	ASTM D5185m	>3	0	0	0		
Aluminum	ppm	ASTM D5185m	>7	0	0	0		
Lead	ppm	ASTM D5185m	>12	0	0	0		
Copper	ppm	ASTM D5185m	>30	0	0	0		
Tin	ppm	ASTM D5185m	>9	0	0	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		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		<1	0	0		
Calcium	ppm	ASTM D5185m		0	0	0		
Phosphorus	ppm	ASTM D5185m		55	54	119		
Zinc	ppm	ASTM D5185m		<1	0	0		
Sulfur	ppm	ASTM D5185m		0	11	25		
CONTAMINANTS		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>60	29	26	13		
Sodium	ppm	ASTM D5185m		0	<1	0		
Potassium	ppm	ASTM D5185m	>20	0	0	<1		
Water	%	ASTM D6304	>.1	0.003	0.005	0.001		
ppm Water	ppm	ASTM D6304	>1000	36	57	0.00		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2		
Particles >4µm		ASTM D7647	>5000	1846	9011	1893		
Particles >6µm		ASTM D7647	>1300	500	<u>^</u> 2522	621		
Particles >14µm		ASTM D7647	>160	53	204	35		
Particles >21µm		ASTM D7647	>40	18	61	6		
Particles >38µm		ASTM D7647	>10	3	5	2		
Particles >71µm		ASTM D7647	>3	1	1	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13	<u>^</u> 20/19/15	18/16/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.07	0.08	0.09		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

Lab Number : 06200192 Unique Number : 11062315

Test Package : IND 2

: USPM36484

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

: 05 Jun 2024 **Tested** : 06 Jun 2024

Diagnosed : 10 Jun 2024 - Doug Bogart

MIDDLESBORO, KY LIS Contact: SERVICE MANAGER

SMITHFIELD FOODS-MIDDLESBORO

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)

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