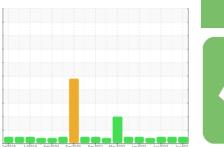


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

BUSCH 4 VACUUM (S/N S00311FMNLHGA03)

Compone **Pump**

USPI MAX FG VAC 100 (--- GAL)

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- 1	AG	:NIA	10	110
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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.

		Jet2018 Jul20	019 Feb2020 Sep2020	Sep2021 May2022 Jan2023 Juni	2023 Jun202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36483	USPM30945	USP243710
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	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	3	0	0
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	<1	0	0
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	<1	<1	<1
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		74	26	52
Zinc	ppm	ASTM D5185m		6	0	0
Sulfur	ppm	ASTM D5185m		215	191	396
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	6	10	12
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304		0.009	0.004	0.001
ppm Water	ppm	ASTM D6304	>1000	97	45	5.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1554	4538	919
Particles >6µm		ASTM D7647	>1300	343	1247	288
Particles >14µm		ASTM D7647	>160	38	140	20
Particles >21µm		ASTM D7647	>40	15	37	6
Particles >38µm		ASTM D7647	>10	4	3	2
Particles >71µm		ASTM D7647	>3	1	1	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/12	19/17/14	17/15/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.091	0.072	0.123



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06200193 Unique Number : 11062316

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM36483 Received : 05 Jun 2024

Tested : 06 Jun 2024 Diagnosed

: 10 Jun 2024 - Doug Bogart

MIDDLESBORO, KY LIS

SMITHFIELD FOODS-MIDDLESBORO

Contact: SERVICE MANAGER

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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