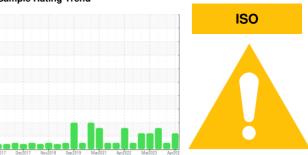


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BUSCH CONVERSION P-18 CV-14 VACUUM (S/N U174600020) Pump

USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

Fluid Condition

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

		lar2017 Dec	2017 Nov2018 Sep201	9 Mar2021 Apr2022 Mar2	023 Apr202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36792	USPM30661	USPM27419
Sample Date		Client Info		22 Apr 2024	17 Jan 2024	06 Jul 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				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	<1	0	6
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
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	<1	0
Copper	ppm	ASTM D5185m	>30	0	0	0
Tin	ppm	ASTM D5185m	>9	<1	<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	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0	2	<1	0
Calcium	ppm	ASTM D5185m	0	1	<1	0
Phosphorus	ppm	ASTM D5185m	1800	683	941	875
Zinc	ppm	ASTM D5185m	0	0	0	1
Sulfur	ppm	ASTM D5185m	0	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	3	8	3
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	1	3	<1
Water	%	ASTM D6304	>.1	0.034	0.026	0.069
ppm Water	ppm	ASTM D6304	>1000	349	266	694.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	24530	3386	<u>153479</u>
Particles >6µm		ASTM D7647	>1300	7760	1067	<u>▲</u> 64691
Particles >14µm		ASTM D7647	>160	147	133	499
Particles >21µm		ASTM D7647	>40	15	42	11
Particles >38μm		ASTM D7647	>10	1	2	1
Particles >71μm		ASTM D7647	>3	1	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/20/14</u>	19/17/14	2 4/23/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.062	0.07	0.08



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: USPM36792 : 06157732 Unique Number : 10993155

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 Apr 2024

Tested : 24 Apr 2024 Diagnosed : 25 Apr 2024 - Jonathan Hester

Certificate 12367 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)

T: F:

SMITHFIELD FOOD - TARHEEL

Contact: SERVICE MANAGER

15855 HWY. 87 WEST

TARHEEL, NC

US 28392