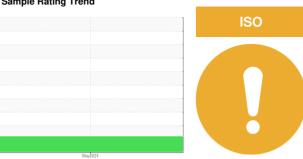


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

03 BUSCH L-1 STG-2

Component **Pump**

USPI VAC 100 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

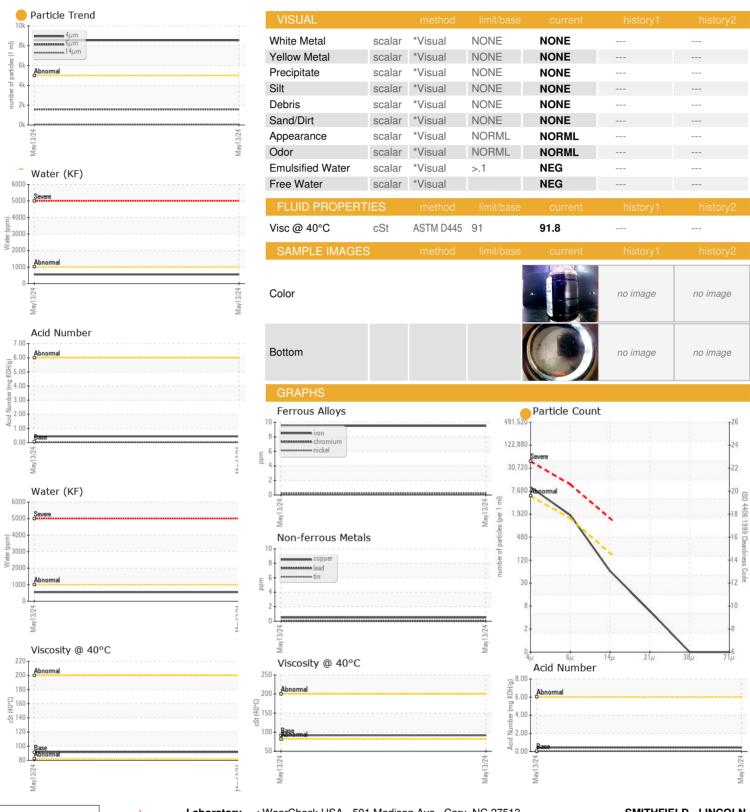
Fluid Condition

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

				May2024		
CAMPLE INFORM	AATION	mathad	limit/booo	ou we out	historyt	history?
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36145		
Sample Date		Client Info		13 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	10		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	>3	<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>7	2		
Lead	ppm	ASTM D5185m	>12	0		
Copper	ppm	ASTM D5185m	>30	<1		
Tin	ppm	ASTM D5185m	>9	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	0	<1		
Calcium	ppm	ASTM D5185m	0	8		
Phosphorus	ppm	ASTM D5185m	1800	1616		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	0	2		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	27		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>.1	0.054		
ppm Water	ppm	ASTM D6304	>1000	547		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	8536		
Particles >6μm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	55		
Particles >21µm		ASTM D7647	>40	5		
Particles >38µm		ASTM D7647	>10	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.44		



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06178800

: USPM36145 Unique Number : 11030126 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 May 2024 **Tested** : 15 May 2024

: 17 May 2024 - Doug Bogart Diagnosed

SMITHFIELD - LINCOLN

200 S 2ND ST LINCOLN, NE US 68508

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)

F: Contact/Location: Service Manager - SMILIN

T: