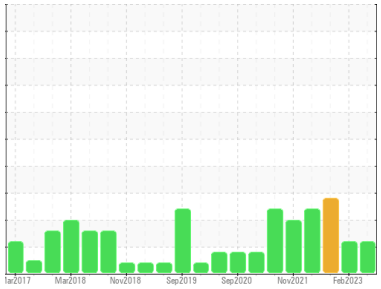
PROBLEM SUMMARY

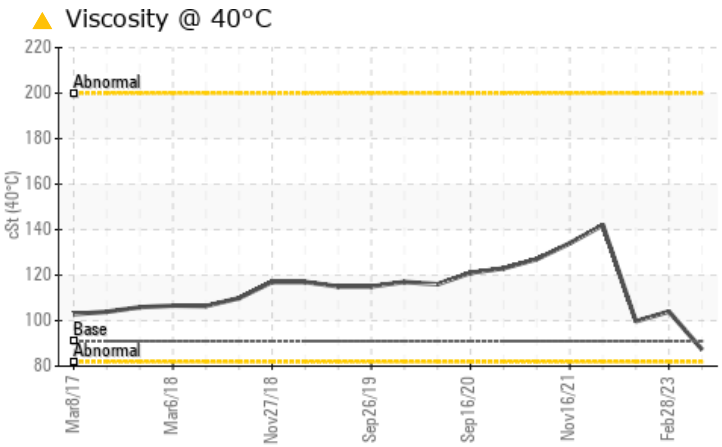
Sample Rating Trend

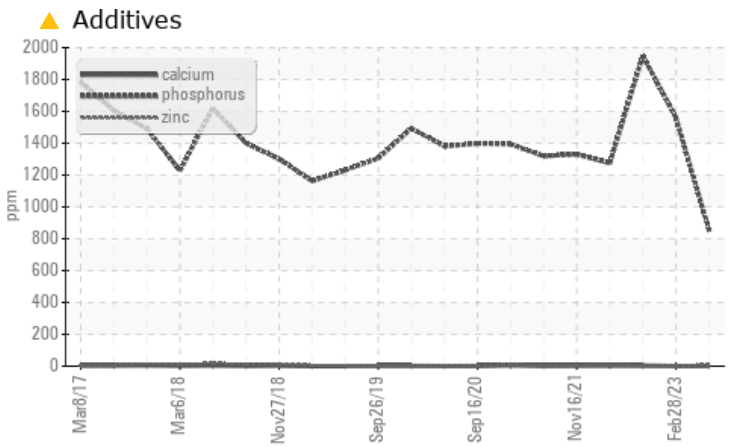


VISCOSITY

Machine Id
VP-12 (S/N C-4238)
Component
Pump
Fluid
USPI VAC 100 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ABNORMAL	ABNORMAL
Phosphorus	ppm	ASTM D5185m	1800	▲ **857**	1561	1948
Sulfur	ppm	ASTM D5185m	0	▲ **222**	0	10
Visc @ 40°C	cSt	ASTM D445	91	▲ **87.3**	104	99.7

Customer Id: JBSBRO
Sample No.: USPM27078
Lab Number: 05901865
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

28 Feb 2023 Diag: Doug Bogart

ISO

Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data update for water content.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

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21 Jul 2022 Diag: Jonathan Hester

WATER

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a trace of moisture present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

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08 Mar 2022 Diag: Doug Bogart

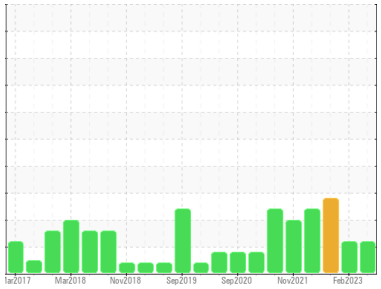
WEAR

We recommend you service the filters on this component. Resample at the next service interval to monitor.The iron level is abnormal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY

Machine Id
VP-12 (S/N C-4238)
Component
Pump
Fluid
USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
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
A decrease in the viscosity is noted. This plus the additive levels indicates the addition of a different brand or type of oil. Confirmed. The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**USPM27078**	USPM26761	USPM23229
Sample Date		Client Info		**17 Jul 2023**	28 Feb 2023	21 Jul 2022
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				**ATTENTION**	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	**3**	39	28
Chromium	ppm	ASTM D5185m	>5	**0**	0	0
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	**2**	<1	<1
Lead	ppm	ASTM D5185m	>12	**<1**	0	<1
Copper	ppm	ASTM D5185m	>30	**<1**	0	<1
Tin	ppm	ASTM D5185m	>9	**0**	<1	<1
Antimony	ppm	ASTM D5185m		**---**	---	---
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**	<1	3
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	**<1**	0	<1
Calcium	ppm	ASTM D5185m	0	**<1**	0	3
Phosphorus	ppm	ASTM D5185m	1800	▲ **857**	1561	1948
Zinc	ppm	ASTM D5185m	0	**7**	<1	0
Sulfur	ppm	ASTM D5185m	0	▲ **222**	0	10

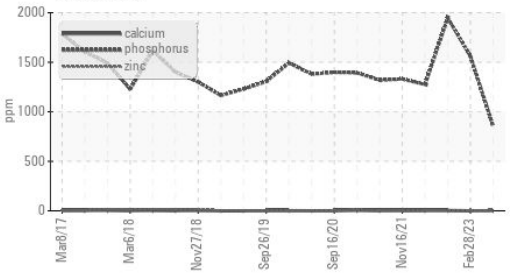
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	**3**	4	3
Sodium	ppm	ASTM D5185m		**0**	4	2
Potassium	ppm	ASTM D5185m	>20	**<1**	0	<1
Water	%	ASTM D6304		**0.044**	0.071	▲ 0.147
ppm Water	ppm	ASTM D6304	>.1	**440.1**	709.8	▲ 1473.0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	**3425**	▲ 27786	▲ 10210
Particles >6µm		ASTM D7647	>1300	**963**	▲ 7087	▲ 1325
Particles >14µm		ASTM D7647	>160	**53**	103	21
Particles >21µm		ASTM D7647	>40	**10**	7	4
Particles >38µm		ASTM D7647	>10	**2**	0	0
Particles >71µm		ASTM D7647	>3	**1**	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	**19/17/13**	▲ 22/20/14	▲ 21/18/12

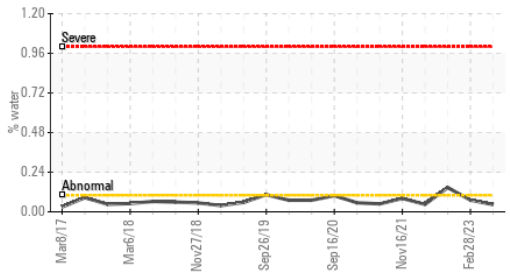
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	**0.28**	0.67	0.41

OIL ANALYSIS REPORT

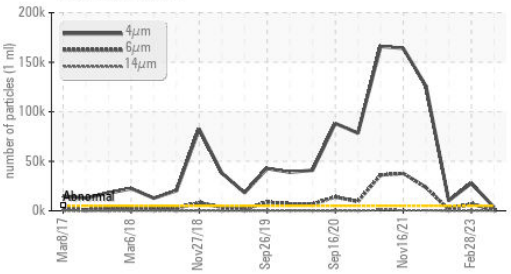
Additives



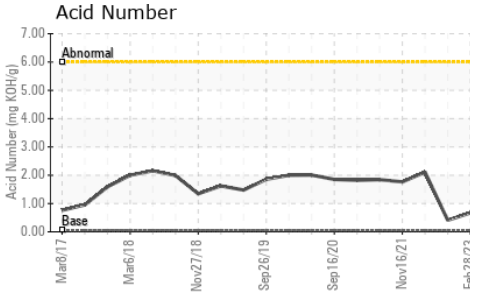
Water



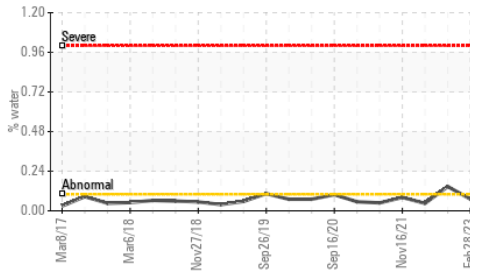
Particle Trend



Acid Number

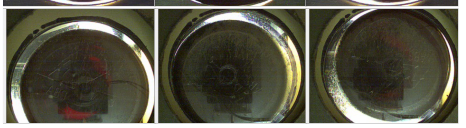


Water



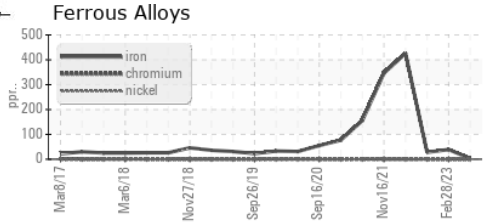
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual		**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	91	▲ **87.3**	104	99.7

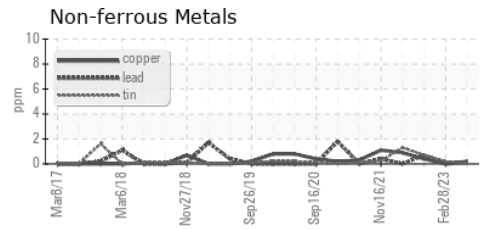
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

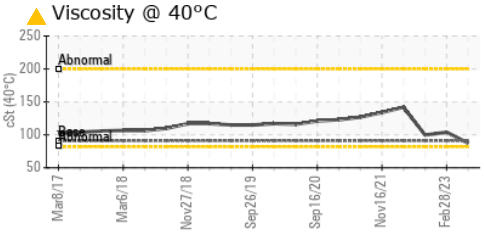
Ferrous Alloys



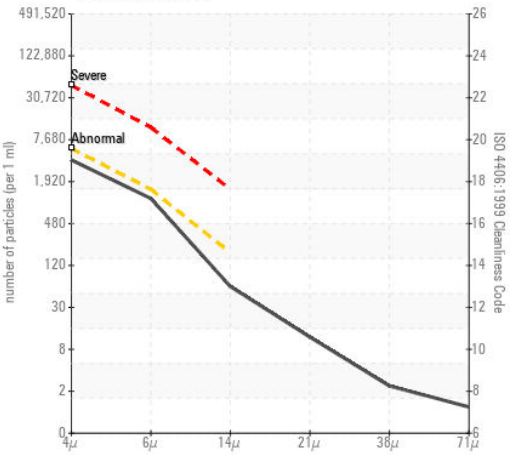
Non-ferrous Metals



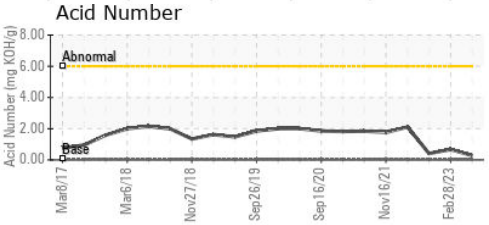
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USPM27078
Lab Number : 05901865
Unique Number : 10563221
Test Package : IND 2

Received : 18 Jul 2023
Diagnosed : 20 Jul 2023
Diagnostician : Doug Bogart

JBS FOODS

BROOKS, AB
CA T1R 1C6
Contact:

T:
F:

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)