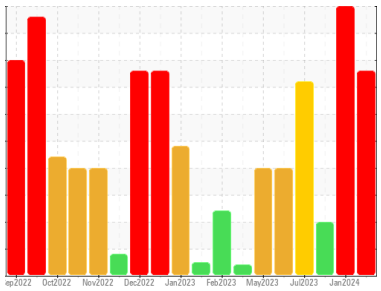
PROBLEM SUMMARY

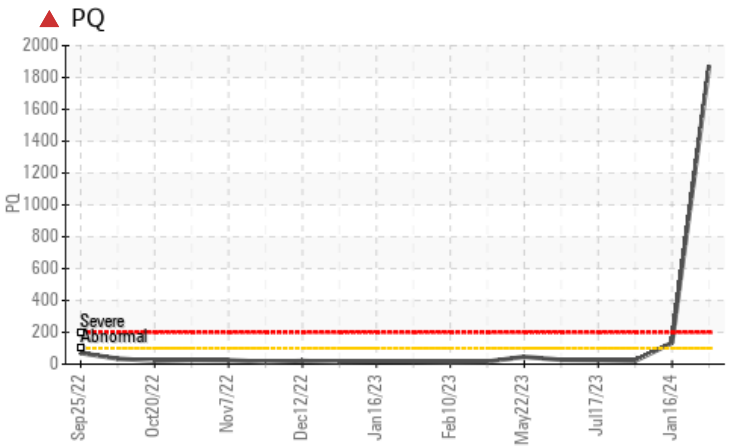
Sample Rating Trend

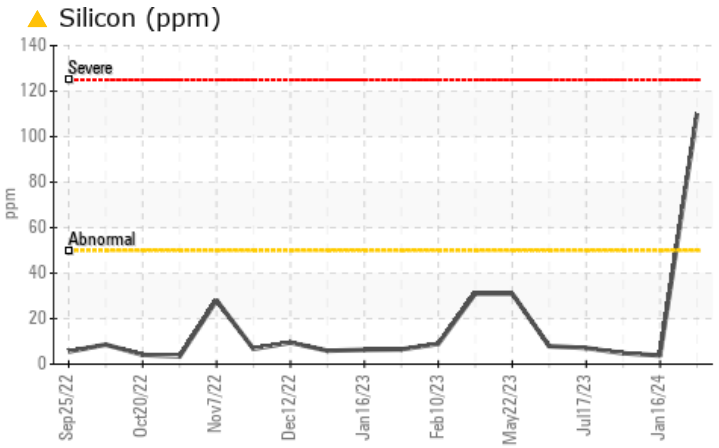


WEAR

Area
CANNING
Machine Id
SEAM TEAR DROP
Component
Gearbox
Fluid
LUBRIPLATE SFGO ULTRA 220 (3 GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	SEVERE	ABNORMAL
PQ		ASTM D8184		▲ **1872**	▲ 134	21
Silicon	ppm	ASTM D5185m	>50	▲ **110**	4	5
White Metal	scalar	*Visual	NONE	▲ **HEAVY**	NONE	NONE
Silt	scalar	*Visual	NONE	▲ **HEAVY**	▲ VHEVY	MODER

Customer Id: PEPTUL
Sample No.: TO10003305
Lab Number: 06146775
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

WEAR

16 Jan 2024 Diag: Doug Bogart
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Gear wear is indicated. Appearance is unacceptable. There is a high concentration of water present in the oil. There is a high amount of visible silt present in the sample. The oil is no longer serviceable due to the presence of contaminants.

view report

WATER

05 Sep 2023 Diag: Jonathan Hester
We advise that you check for the source of water entry. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

view report

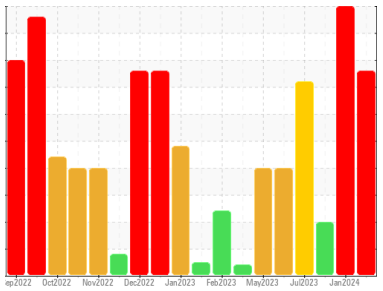
WATER

17 Jul 2023 Diag: Jonathan Hester
We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.All component wear rates are normal. Excessive free water present. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
CANNING
Machine Id
SEAM TEAR DROP
Component
Gearbox
Fluid
LUBRIPLATE SFGO ULTRA 220 (3 GAL)

DIAGNOSIS

Recommendation
We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear
High concentration of visible metal present. The very high ferrous density (PQ) index indicates that severe wear is occurring.

Contamination
There is a high amount of visible silt present in the sample.

Fluid Condition
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**TO10003305**	TO90002188	TO10002549
Sample Date		Client Info		**09 Apr 2024**	16 Jan 2024	05 Sep 2023
Machine Age	wks	Client Info		**0**	0	0
Oil Age	wks	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**SEVERE**	SEVERE	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		▲ **1872**	▲ 134	21
Iron	ppm	ASTM D5185m	>200	**2**	▲ 474	7
Chromium	ppm	ASTM D5185m	>15	**0**	3	0
Nickel	ppm	ASTM D5185m	>15	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**0**	2	0
Lead	ppm	ASTM D5185m	>100	**0**	0	0
Copper	ppm	ASTM D5185m	>200	**0**	1	0
Tin	ppm	ASTM D5185m	>25	**0**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

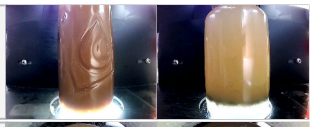
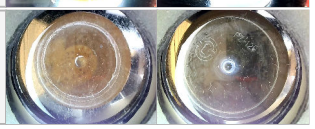
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	2	0
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**0**	2	0
Magnesium	ppm	ASTM D5185m		**0**	<1	<1
Calcium	ppm	ASTM D5185m		**0**	9	<1
Phosphorus	ppm	ASTM D5185m		**102**	94	220
Zinc	ppm	ASTM D5185m		**0**	0	4
Sulfur	ppm	ASTM D5185m		**25**	32	2557

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	▲ **110**	4	5
Sodium	ppm	ASTM D5185m		**0**	2	0
Potassium	ppm	ASTM D5185m	>20	**<1**	7	3
Water	%	ASTM D6304	>0.2	**0.085**	▲ 1.60	▲ 0.529
ppm Water	ppm	ASTM D6304	>2000	**850**	▲ 16000	▲ 5290

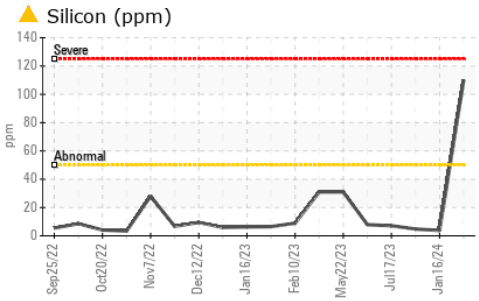
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ **HEAVY**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	▲ **HEAVY**	▲ VHEVY	MODER
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	● MILKY	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	▲ 0.2%	0.2%
Free Water	scalar	*Visual		**NEG**	NEG	NEG

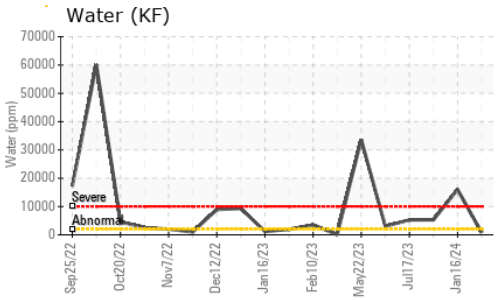
OIL ANALYSIS REPORT

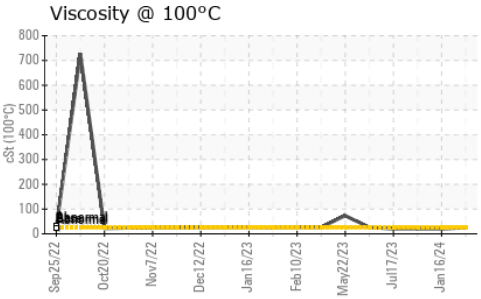
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	222	**214**	209	216
Visc @ 100°C	cSt	ASTM D445	26	**25.2**	19.8	20.1
Viscosity Index (VI)	Scale	ASTM D2270	146	**148**	108	▲ 107

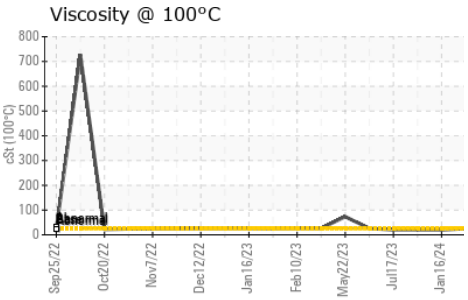
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*		
Bottom			*no image*		

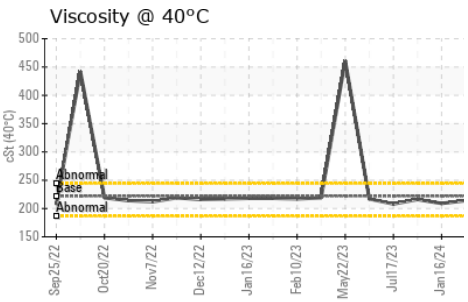
GRAPHS

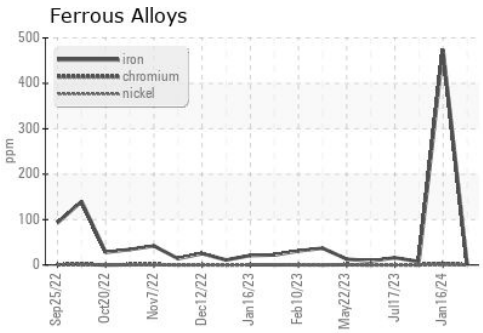


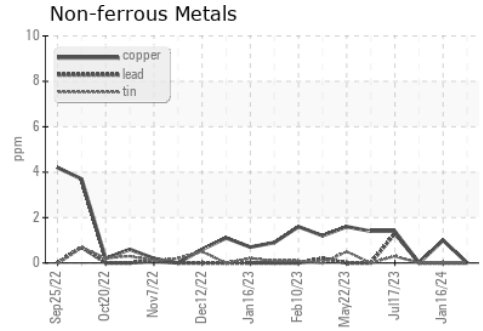


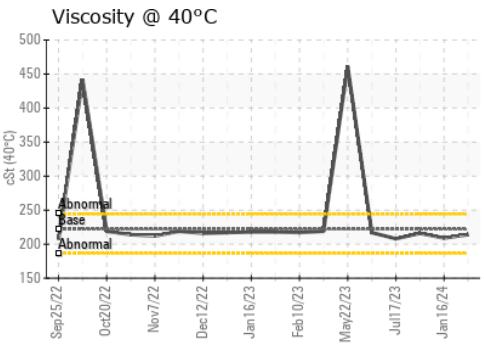


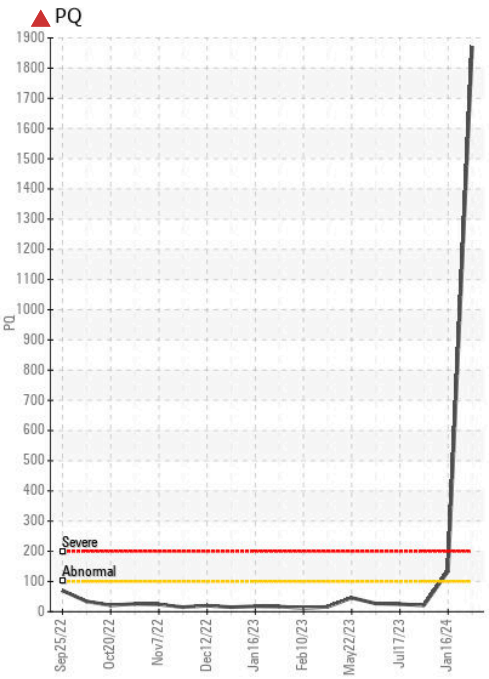


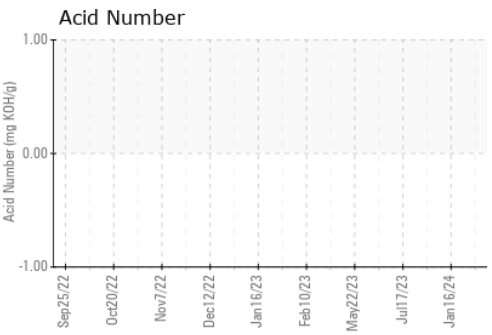












Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003305
Lab Number : 06146775
Unique Number : 10976853
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI)

Received : 11 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Jonathan Hester

Certificate L2367

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)

PEPSI BOTTLING GROUP
510 W SKELLY DR
TULSA, OK
US 74107
Contact: Service Manager
T:
F:

Report Id: PEPTUL [WUSCAR] 06146775 (Generated: 04/18/2024 09:54:01) Rev: 1

Submitted By: RYAN DAVIS