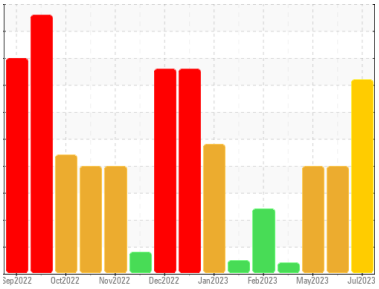
PROBLEM SUMMARY

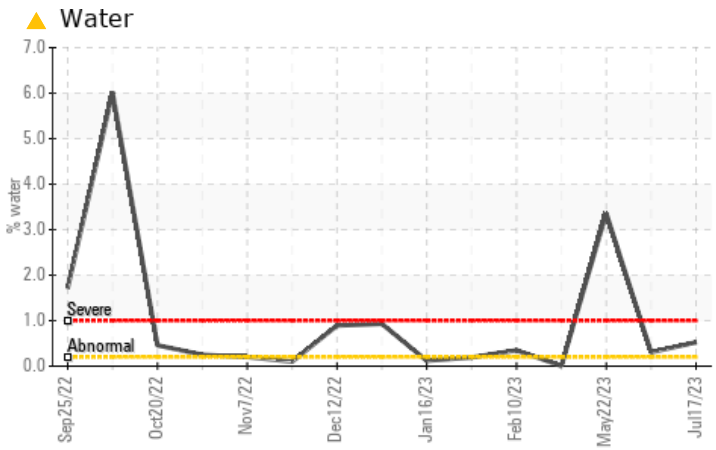
Sample Rating Trend



WATER

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	SEVERE
Water	%	ASTM D6304	>0.2	▲ **0.525**	▲ 0.305	⬢ 3.36
ppm Water	ppm	ASTM D6304	>2000	▲ **5250**	▲ 3050	⬢ 33600
Appearance	scalar	*Visual	NORML	▲ **LAYRD**	▲ SOLID	NORML
Free Water	scalar	*Visual		⬢ **>10%**	▲ >10%	NEG

Customer Id: PEPTUL
Sample No.: TO10002001
Lab Number: 05902619
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
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

01 Jun 2023 Diag: Jonathan Hester

WATER

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a light concentration of water present in the oil. Sample is layered with different type/density oil. The condition of the oil is acceptable for the time in service.

view report

22 May 2023 Diag: Jonathan Hester

WATER

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.All component wear rates are normal. There is a high concentration of water present in the oil. Viscosity of sample indicates oil is within ISO 460 range, advise investigate. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

view report

06 Mar 2023 Diag: Doug Bogart

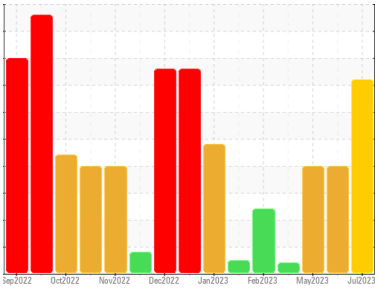
VIS DEBRIS

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data update for water value.All component wear rates are normal. Water content negligible. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

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

DIAGNOSIS

Recommendation
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.

Wear
All component wear rates are normal.

Contamination
Excessive free water present. There is a moderate concentration of water present in the oil.

Fluid Condition
The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**TO10002001**	TO10001895	TO10001901
Sample Date		Client Info		**17 Jul 2023**	01 Jun 2023	22 May 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**	ABNORMAL	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		**25**	27	46
Iron	ppm	ASTM D5185m	>200	**16**	9	13
Chromium	ppm	ASTM D5185m	>15	**<1**	0	<1
Nickel	ppm	ASTM D5185m	>15	**0**	0	1
Titanium	ppm	ASTM D5185m		**0**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**<1**	<1	0
Lead	ppm	ASTM D5185m	>100	**1**	0	0
Copper	ppm	ASTM D5185m	>200	**1**	1	2
Tin	ppm	ASTM D5185m	>25	**<1**	0	<1
Vanadium	ppm	ASTM D5185m		**0**	0	<1
Cadmium	ppm	ASTM D5185m		**0**	0	<1

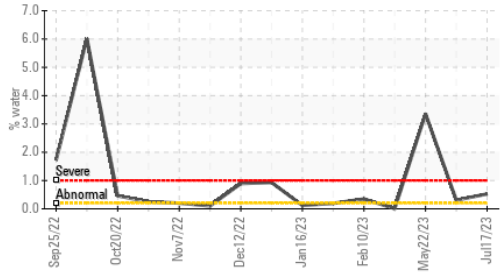
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	20
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	<1
Manganese	ppm	ASTM D5185m		**<1**	0	<1
Magnesium	ppm	ASTM D5185m		**0**	<1	3
Calcium	ppm	ASTM D5185m		**4**	19	20
Phosphorus	ppm	ASTM D5185m		**183**	270	651
Zinc	ppm	ASTM D5185m		**0**	0	15
Sulfur	ppm	ASTM D5185m		**2660**	1940	1129

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**7**	8	31
Sodium	ppm	ASTM D5185m		**<1**	<1	6
Potassium	ppm	ASTM D5185m	>20	**8**	0	<1
Water	%	ASTM D6304	>0.2	▲ **0.525**	▲ 0.305	⬢ 3.36
ppm Water	ppm	ASTM D6304	>2000	▲ **5250**	▲ 3050	⬢ 33600

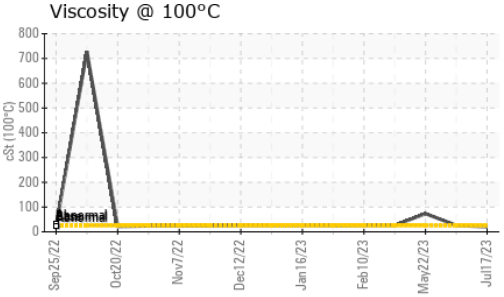
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**MODER**	MODER	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	▲ **LAYRD**	▲ SOLID	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**0.2%**	0.2%	⬢ 0.2%
Free Water	scalar	*Visual		⬢ **>10%**	▲ >10%	NEG

OIL ANALYSIS REPORT

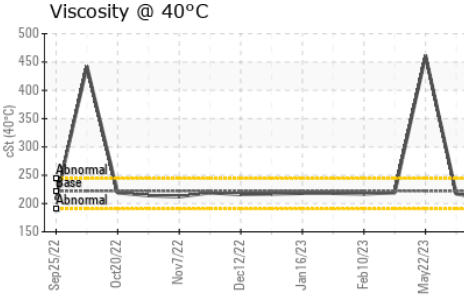
Water



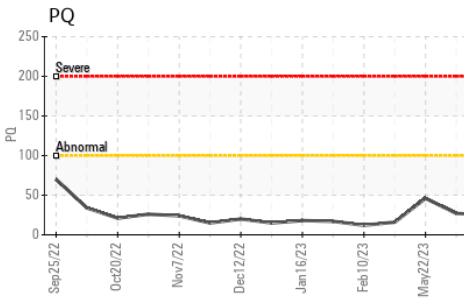
Viscosity @ 100°C



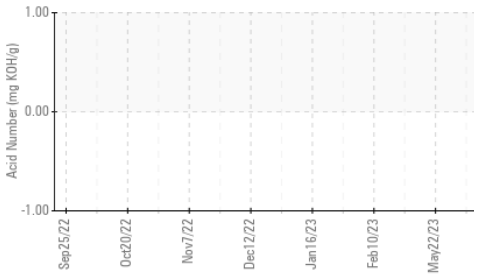
Viscosity @ 40°C



PQ



Acid Number

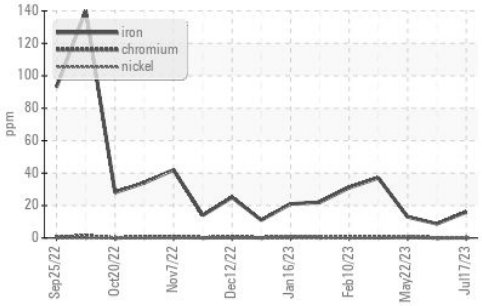


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	222	**208**	217	▲ 461
Visc @ 100°C	cSt	ASTM D445	26	**20.1**	26.0	▲ 73.4
Viscosity Index (VI)	Scale	ASTM D2270	146	**111**	152	239

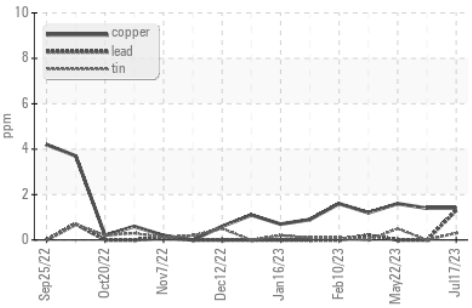
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	
Bottom				*no image*	

GRAPHS

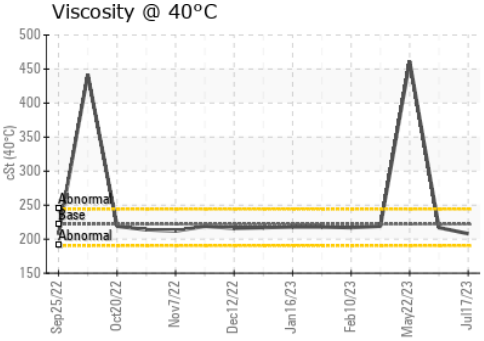
Ferrous Alloys



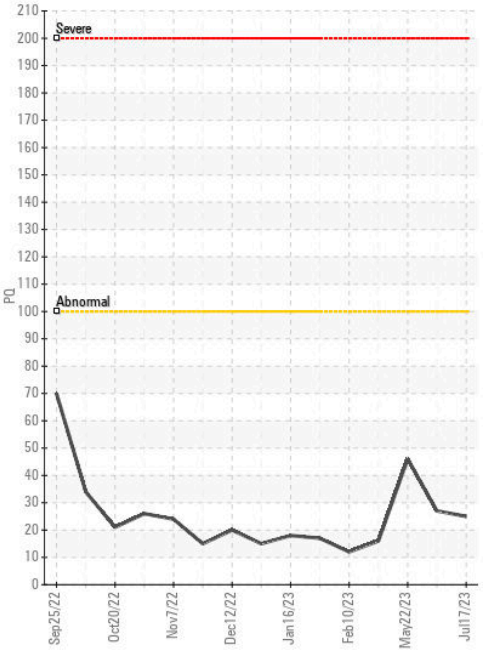
Non-ferrous Metals



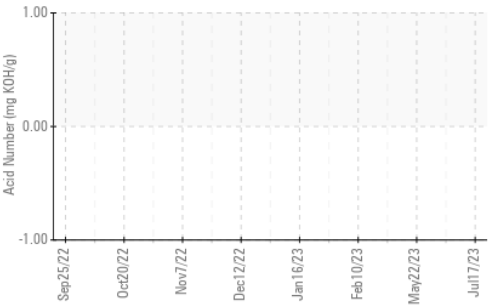
Viscosity @ 40°C



PQ



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10002001 **Received** : 19 Jul 2023
Lab Number : 05902619 **Diagnosed** : 21 Jul 2023
Unique Number : 10563975 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI)

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] 05902619 (Generated: 07/21/2023 13:56:07) Rev: 1

Submitted By: RYAN DAVIS