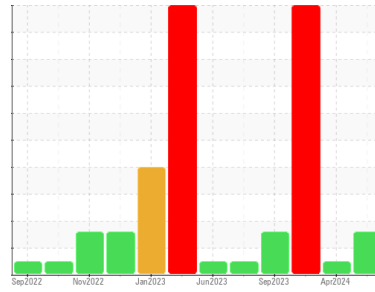


OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
CANNING PLANT
Machine Id
MAIN FILLER DRIVE

Component
Gearbox
Fluid
TULCO LUBSOIL PG 460 GEAR OIL (3 GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high concentration of water present in the oil.

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		TO10003451	TO10003180	TO90002189
Sample Date	Client Info		28 May 2024	09 Apr 2024	16 Jan 2024
Machine Age	wks	Client Info	12	0	0
Oil Age	wks	Client Info	6	0	0
Oil Changed	Client Info		Changed	N/A	N/A
Sample Status			ABNORMAL	NORMAL	SEVERE

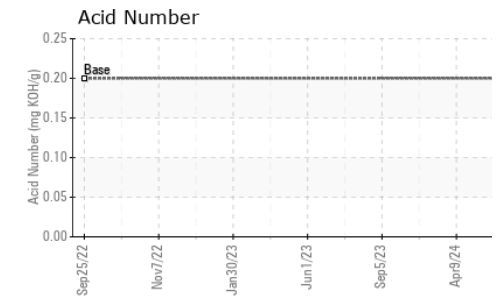
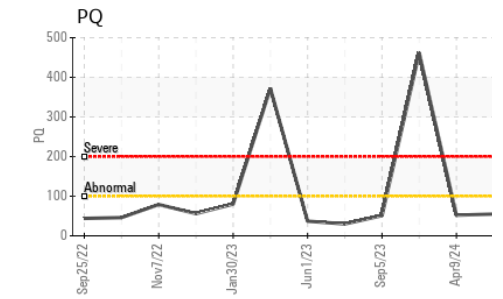
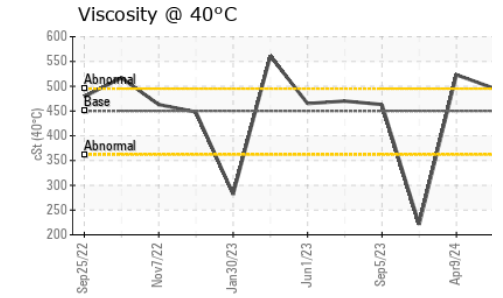
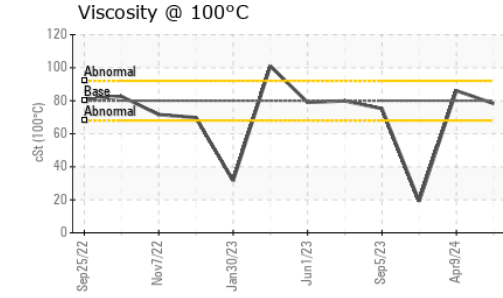
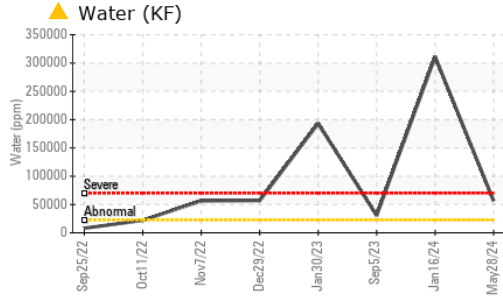
WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184		55	52	▲ 462
Iron	ppm	ASTM D5185m >200	12	2	▲ 474
Chromium	ppm	ASTM D5185m >15	<1	0	9
Nickel	ppm	ASTM D5185m >15	<1	0	4
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	1	0	▲ 115
Lead	ppm	ASTM D5185m >100	<1	0	0
Copper	ppm	ASTM D5185m >200	5	26	35
Tin	ppm	ASTM D5185m >25	2	0	2
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 8	4	0	14
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	3	6	0
Manganese	ppm	ASTM D5185m	<1	0	2
Magnesium	ppm	ASTM D5185m	2	0	8
Calcium	ppm	ASTM D5185m	10	208	1078
Phosphorus	ppm	ASTM D5185m 800	849	673	388
Zinc	ppm	ASTM D5185m 7	17	53	393
Sulfur	ppm	ASTM D5185m 400	850	679	490

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	11	5	● 61
Sodium	ppm	ASTM D5185m	0	0	7
Potassium	ppm	ASTM D5185m >20	<1	0	2
Water	%	ASTM D6304 >2.26	▲ 5.68	---	▲ 31.1
ppm Water	ppm	ASTM D6304 >22600	▲ 56800	---	▲ 311000

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	▲ VHEVY
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	● MILKY
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >2.26	▲ 0.2%	NEG	▲ 0.2%
Free Water	scalar	*Visual	NEG	NEG	▲ 10.0

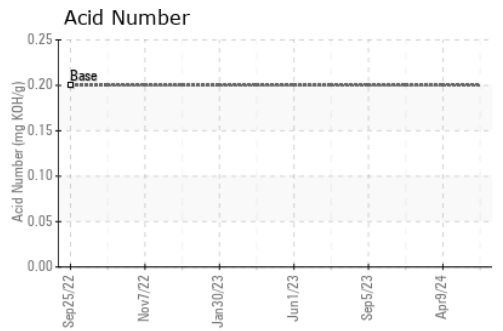
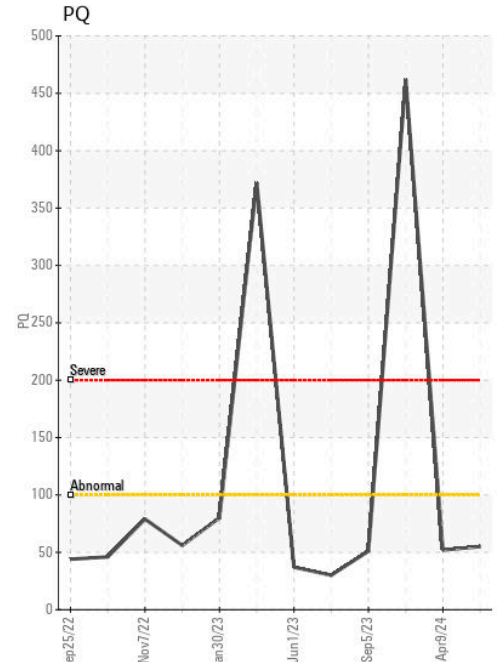
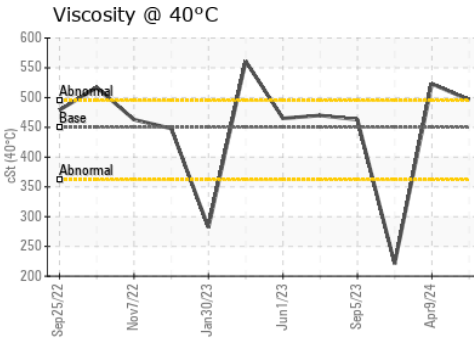
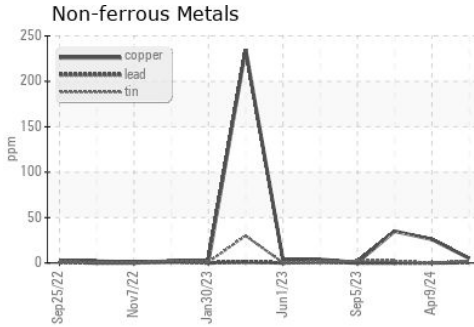
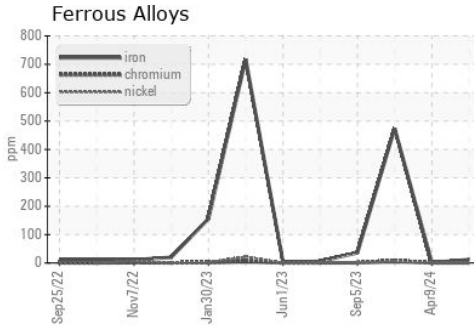
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 450	496	523	● 221
Visc @ 100°C	cSt	ASTM D445 80.0	78.3	86.1	● 19.1
Viscosity Index (VI)	Scale	ASTM D2270 260	241	252	● 97

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003451 **Received** : 31 May 2024
Lab Number : **06197044** **Tested** : 04 Jun 2024
Unique Number : 11059167 **Diagnosed** : 04 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, VI)

PEPSI BOTTLING GROUP
 510 W SKELLY DR
 TULSA, OK
 US 74107
 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)

T:
F: