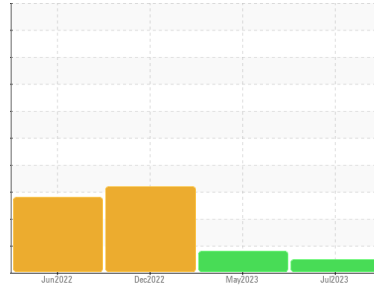


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**L-2 FILLER**

Component  
**Gearbox**

Fluid  
**TULCO LUBSOIL PG 460 GEAR OIL (--- 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.

**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			<b>TO10002000</b>	TO10001967	TO10001309
Sample Date	Client Info			<b>13 Jul 2023</b>	11 May 2023	03 Dec 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	SEVERE

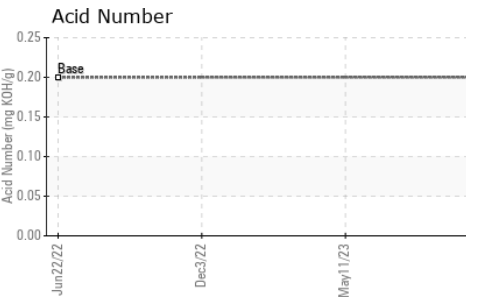
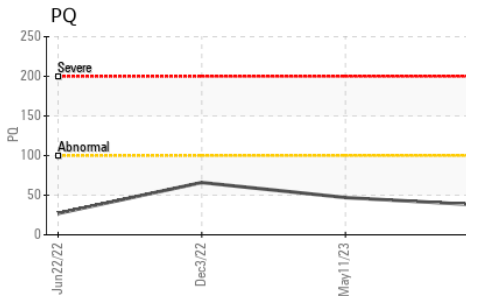
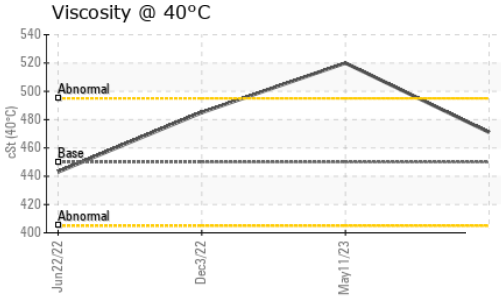
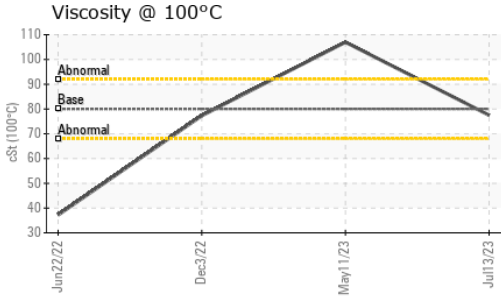
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>37</b>	47	66
Iron	ppm	ASTM D5185m	>200	<b>12</b>	16	18
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>6</b>	9	<1
Lead	ppm	ASTM D5185m	>100	<b>0</b>	1	2
Copper	ppm	ASTM D5185m	>200	<b>23</b>	50	25
Tin	ppm	ASTM D5185m	>25	<b>2</b>	6	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	8	<b>13</b>	7	10
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	3	4
Calcium	ppm	ASTM D5185m		<b>38</b>	34	16
Phosphorus	ppm	ASTM D5185m	800	<b>1278</b>	998	839
Zinc	ppm	ASTM D5185m	7	<b>70</b>	194	37
Sulfur	ppm	ASTM D5185m	400	<b>1514</b>	1261	993

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>17</b>	18	12
Sodium	ppm	ASTM D5185m		<b>11</b>	2	<1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	7	6

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	<b>NEG</b>	NEG	0.2%
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

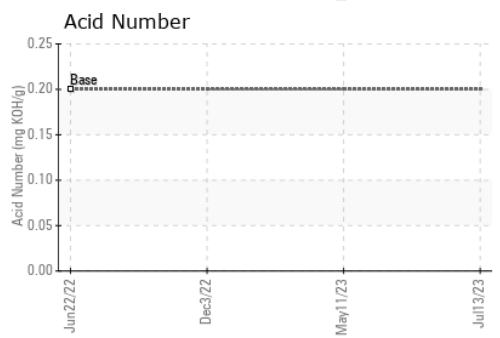
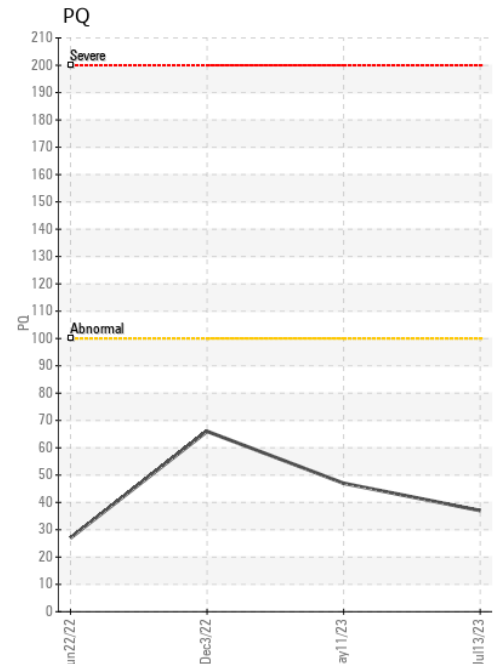
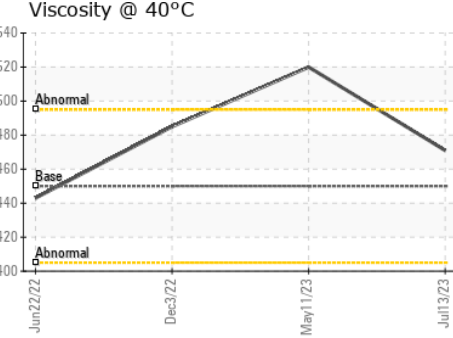
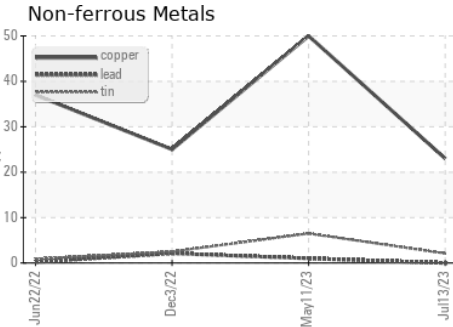
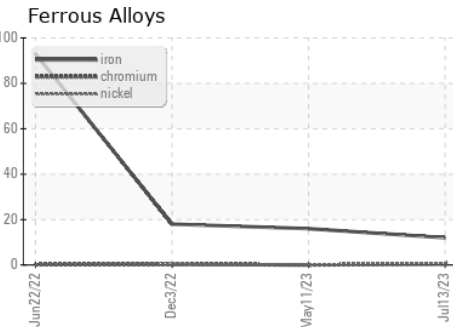
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	450	▲ 471	520	485
Visc @ 100°C	cSt	ASTM D445	80.0	▲ 77.5	107	77.3
Viscosity Index (VI)	Scale	ASTM D2270	260	▲ 247	297	242

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO10002000 **Received** : 17 Jul 2023  
**Lab Number** : 05900242 **Diagnosed** : 19 Jul 2023  
**Unique Number** : 10561598 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: 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: