



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
L-1 FILLER BOTTLE

Component
Gearbox

Fluid
TULCO LUBSOIL PG 460 GEAR OIL (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TO10003448	TO10001965	TO10107174
Sample Date		Client Info		13 Jun 2024	11 May 2023	29 Dec 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		0	0	0
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184		36	59	96
Iron	ppm	ASTM D5185m	>200	2	160	▲ 835
Chromium	ppm	ASTM D5185m	>15	0	2	▲ 21
Nickel	ppm	ASTM D5185m	>15	0	<1	11
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	● 42
Lead	ppm	ASTM D5185m	>100	0	<1	<1
Copper	ppm	ASTM D5185m	>200	2	3	11
Tin	ppm	ASTM D5185m	>25	0	3	2
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

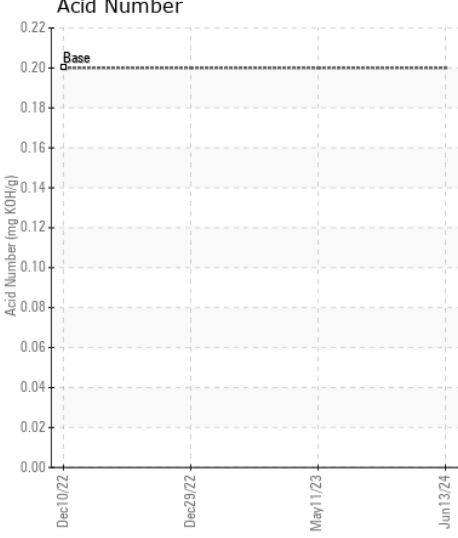
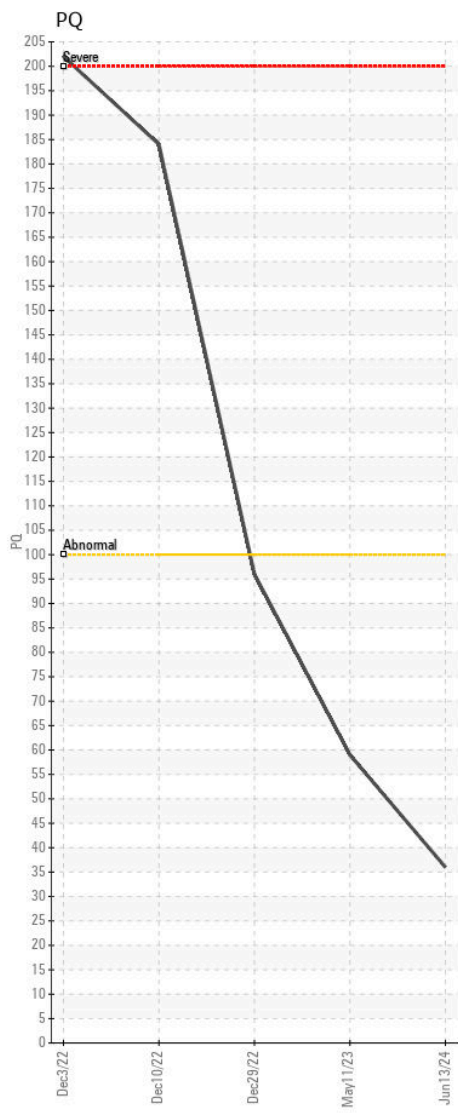
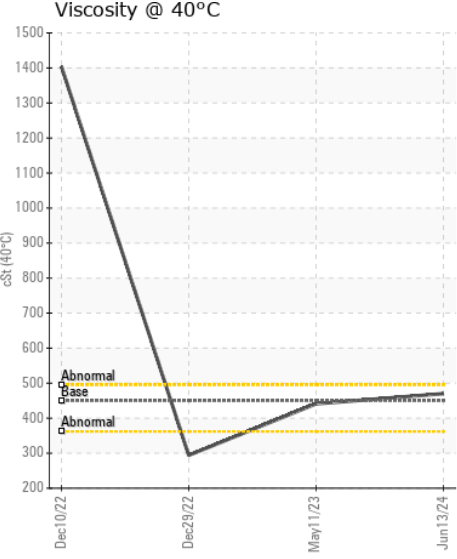
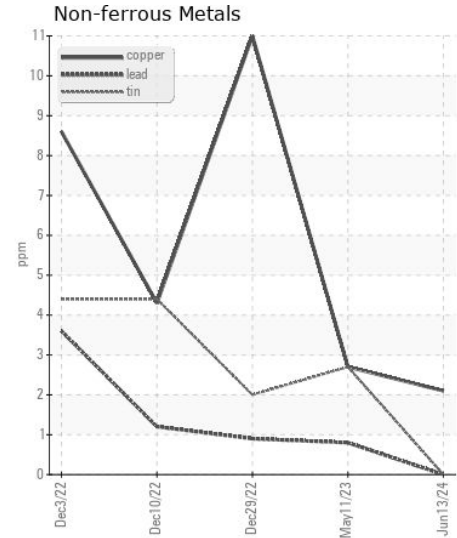
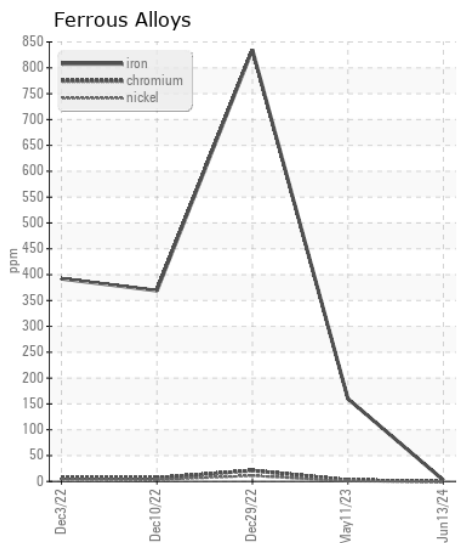
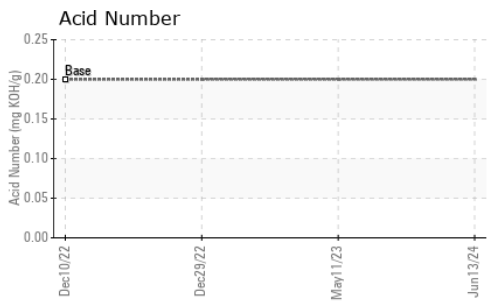
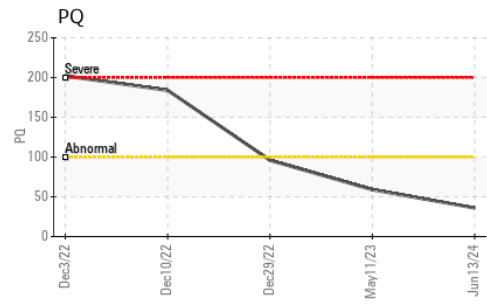
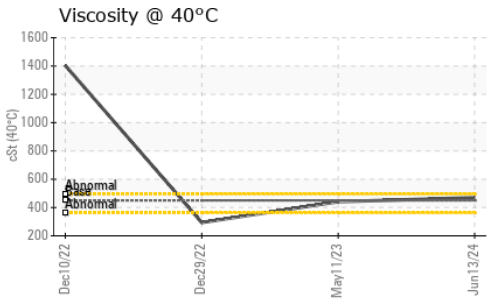
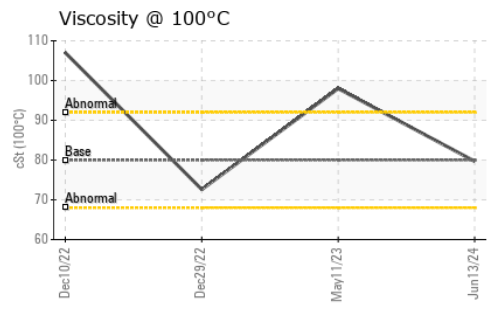
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	16	12	▲ 60
Potassium	ppm	ASTM D5185m	>20	1	7	3
Water		WC Method	>2.26	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	● SOLID
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	NEG	0.2%	0.2%

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	0	<1
Boron	ppm	ASTM D5185m	8	0	33	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	2
Manganese	ppm	ASTM D5185m		0	<1	4
Magnesium	ppm	ASTM D5185m		<1	4	6
Calcium	ppm	ASTM D5185m		13	22	358
Phosphorus	ppm	ASTM D5185m	800	1034	927	650
Zinc	ppm	ASTM D5185m	7	17	0	220
Sulfur	ppm	ASTM D5185m	400	1363	1191	396
Visc @ 40°C	cSt	ASTM D445	450	470	441	▲ 294
Visc @ 100°C	cSt	ASTM D445	80.0	79.7	98.0	72.6
Viscosity Index (VI)	Scale	ASTM D2270	260	253	306	▲ 313



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003448 **Received** : 18 Jun 2024
Lab Number : 06213648 **Tested** : 20 Jun 2024
Unique Number : 11086512 **Diagnosed** : 20 Jun 2024 - Don Baldrige
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)

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F: