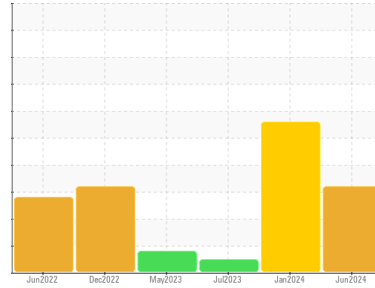


OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
L-2 FILLER

Component
Gearbox

Fluid
TULCO LUBSOIL PG 460 GEAR OIL (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend an early resample to monitor this condition.

Wear

Bearing and/or gear wear is indicated.

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 | | | TO10003446 | TO10001919 | TO10002000 |
| Sample Date | Client Info | | | 13 Jun 2024 | 16 Jan 2024 | 13 Jul 2023 |
| Machine Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | Client Info | | | N/A | N/A | N/A |
| Sample Status | | | | ABNORMAL | SEVERE | NORMAL |

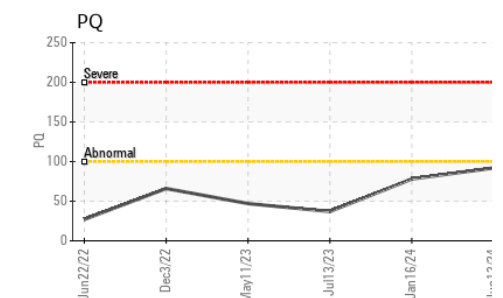
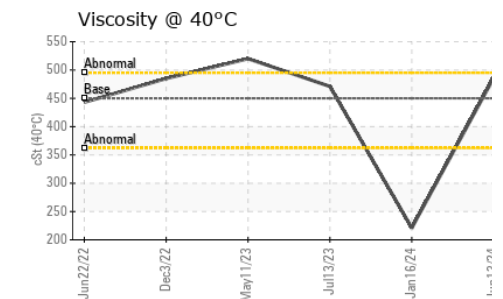
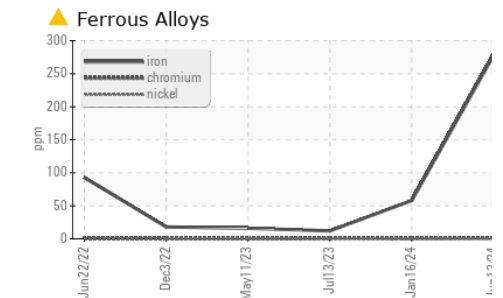
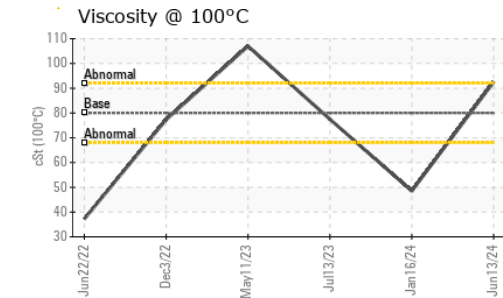
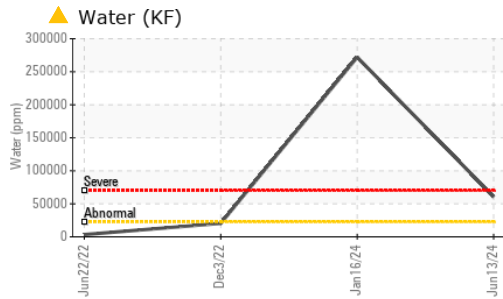
| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| PQ | | ASTM D8184 | | 92 | 78 | 37 |
| Iron | ppm | ASTM D5185m | >200 | ▲ 278 | 58 | 12 |
| Chromium | ppm | ASTM D5185m | >15 | 1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >15 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 4 | 10 | 6 |
| Lead | ppm | ASTM D5185m | >100 | 2 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >200 | ▲ 219 | 2 | 23 |
| Tin | ppm | ASTM D5185m | >25 | 9 | 1 | 2 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | <1 |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|-------------|----------|----------|
| Boron | ppm | ASTM D5185m | 8 | 15 | 12 | 13 |
| Barium | ppm | ASTM D5185m | | 4 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | 3 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | | 3 | <1 | 0 |
| Calcium | ppm | ASTM D5185m | | 43 | 33 | 38 |
| Phosphorus | ppm | ASTM D5185m | 800 | 986 | 576 | 1278 |
| Zinc | ppm | ASTM D5185m | 7 | 66 | 0 | 70 |
| Sulfur | ppm | ASTM D5185m | 400 | 2355 | 557 | 1514 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|----------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >50 | 8 | 8 | 17 |
| Sodium | ppm | ASTM D5185m | | 0 | 12 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 2 |
| Water | % | ASTM D6304 | >2.26 | ▲ 6.06 | ▲ 27.2 | --- |
| ppm Water | ppm | ASTM D6304 | >22600 | ▲ 60600 | ▲ 272000 | --- |

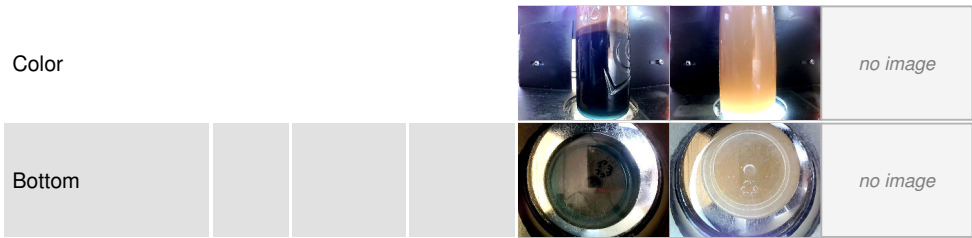
| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|---------|------------|---------------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | MODER | ▲ VHEVY | NONE |
| 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 | >2.26 | ▲ 0.2% | ▲ 0.2% | NEG |
| Free Water | scalar | *Visual | | NEG | NEG | NEG |

OIL ANALYSIS REPORT

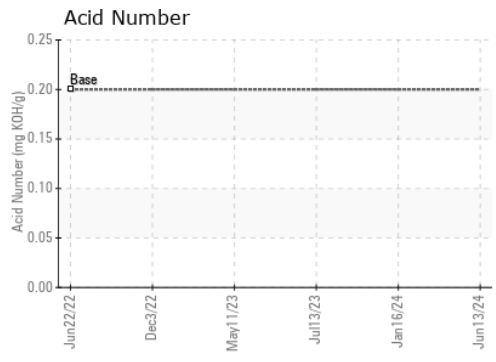
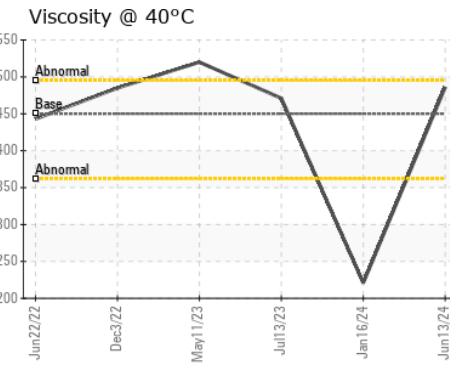
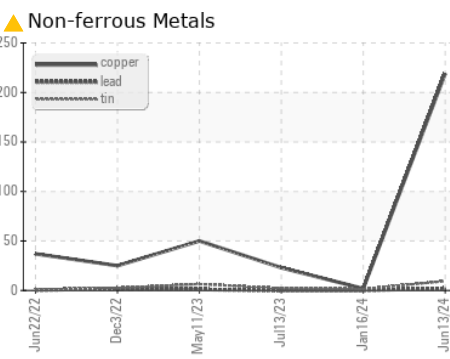
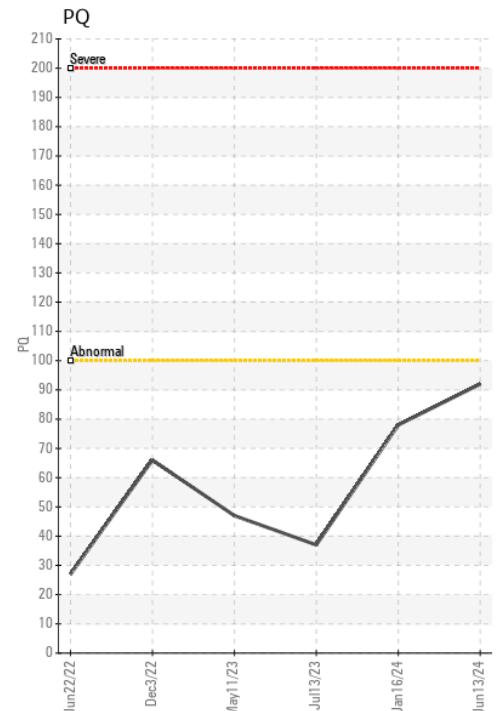
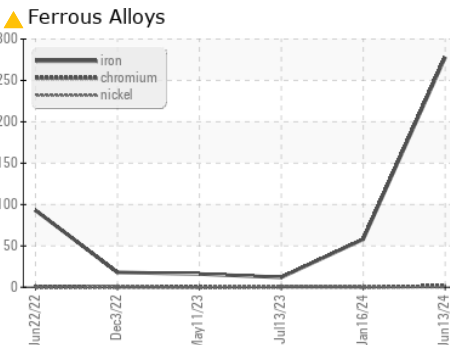


| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|----------------------|--------|------------|---------|----------|----------|------|
| Visc @ 40°C | cSt | ASTM D445 | 450 | 486 | 221 | 471 |
| Visc @ 100°C | cSt | ASTM D445 | 80.0 | 92.5 | 48.5 | 77.5 |
| Viscosity Index (VI) | Scale | ASTM D2270 | 260 | 277 | 276 | 247 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003446 **Received** : 18 Jun 2024
Lab Number : 06213649 **Tested** : 20 Jun 2024
Unique Number : 11086513 **Diagnosed** : 20 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)