

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
COASTAL CHEMICAL/RESOLUTION RESOURCES

Component
Tank New (Unused) Oil
Fluid
{not provided} (--- GAL)



DIAGNOSIS

▲ Recommendation

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

▲ Wear

The iron level is abnormal. Moderate concentration of visible metal present. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

▲ 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		TO70000143	---	---
Sample Date	Client Info		30 Jan 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		▲ 55	---	---
Iron	ppm	ASTM D5185m >5	▲ 68	---	---
Chromium	ppm	ASTM D5185m >5	<1	---	---
Nickel	ppm	ASTM D5185m >5	0	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m >5	0	---	---
Aluminum	ppm	ASTM D5185m >5	2	---	---
Lead	ppm	ASTM D5185m >5	0	---	---
Copper	ppm	ASTM D5185m >5	2	---	---
Tin	ppm	ASTM D5185m >5	<1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	---	---
Barium	ppm	ASTM D5185m	1	---	---
Molybdenum	ppm	ASTM D5185m	2	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m	182	---	---
Calcium	ppm	ASTM D5185m	1078	---	---
Phosphorus	ppm	ASTM D5185m	126	---	---
Zinc	ppm	ASTM D5185m	5	---	---
Sulfur	ppm	ASTM D5185m	789	---	---

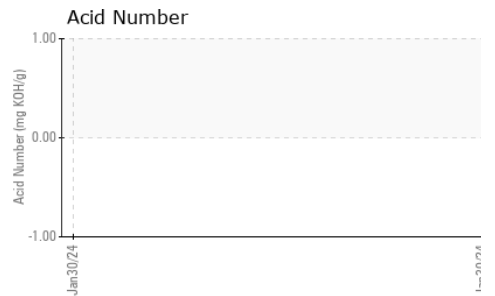
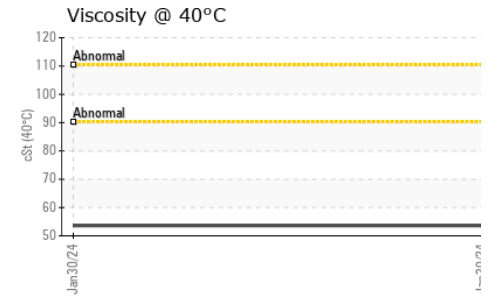
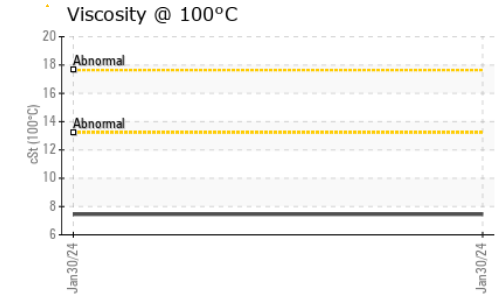
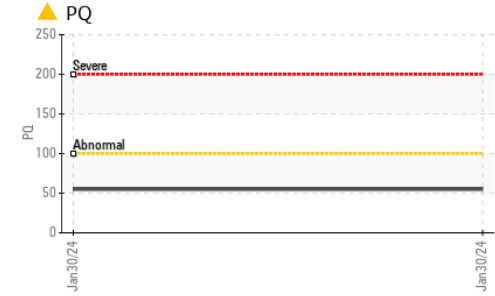
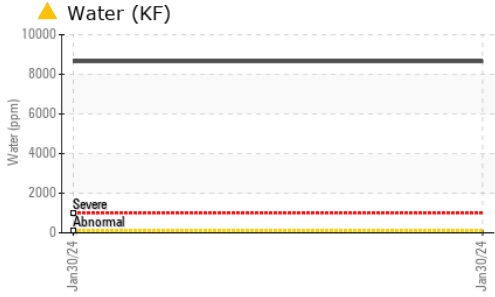
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	2	---	---
Sodium	ppm	ASTM D5185m	1552	---	---
Potassium	ppm	ASTM D5185m >20	27	---	---
Water	%	ASTM D6304	▲ 0.865	---	---
ppm Water	ppm	ASTM D6304	▲ 8650	---	---

VISUAL

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

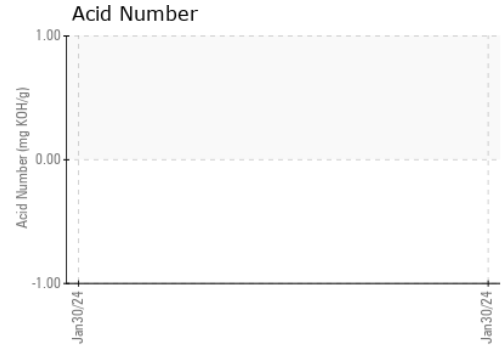
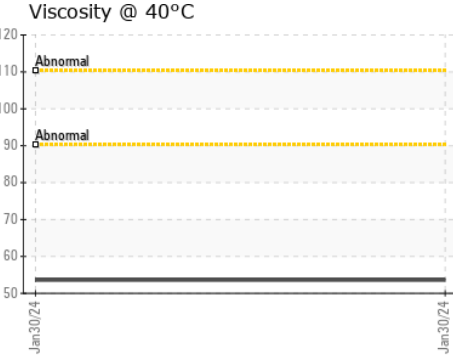
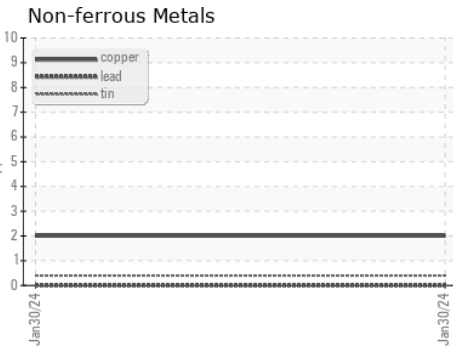
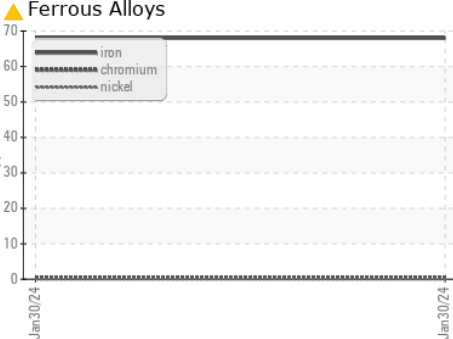
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	53.6	---	---
Visc @ 100°C	cSt	ASTM D445	7.45	---	---
Viscosity Index (VI)	Scale	ASTM D2270	99	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO70000143 **Received** : 31 Jan 2024
Lab Number : 06076079 **Tested** : 06 Feb 2024
Unique Number : 10858170 **Diagnosed** : 06 Feb 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PQ, PrtCount, VI)
 To discuss this sample report, contact Customer Service at 1-800-237-1369. Contact: JIM WESTOVER
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. jimwestover@tulco.com
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) T: (918)526-3035
 F: (918)834-1263