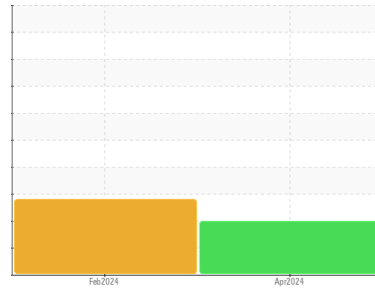


# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**GEA C-2365**  
Component  
**Screw Compressor**  
Fluid  
**TULCO LUBSOIL SYN RL WI 100 (300 GAL)**

**DIAGNOSIS**

**Recommendation**

No corrective action is recommended at this time. Oil and filter 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 amount of particulates present in the oil.

**Fluid Condition**

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

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>TO20000427</b>	TO90003234	---
Sample Date	Client Info		<b>02 Apr 2024</b>	13 Feb 2024	---
Machine Age	hrs	Client Info	<b>700</b>	0	---
Oil Age	hrs	Client Info	<b>700</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >60	<b>&lt;1</b>	2	---
Chromium	ppm	ASTM D5185m >4	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >30	<b>2</b>	0	---
Tin	ppm	ASTM D5185m >15	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

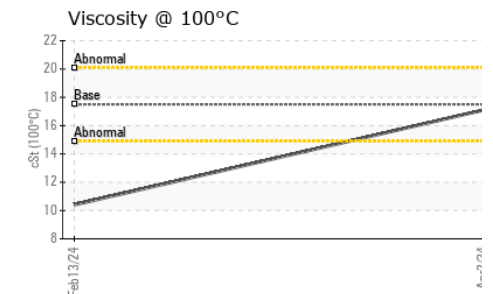
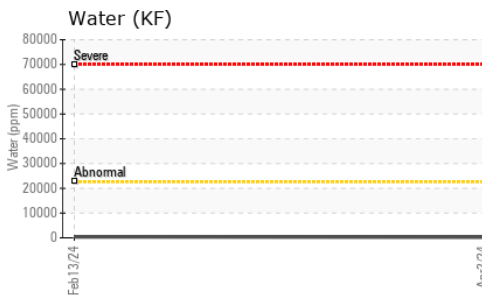
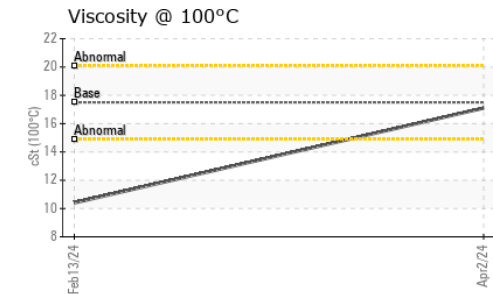
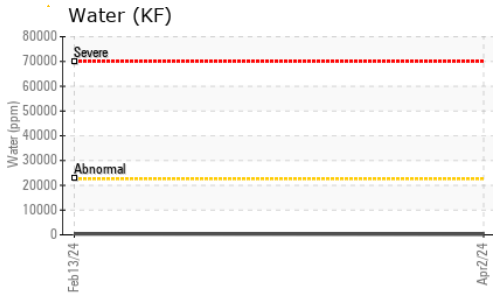
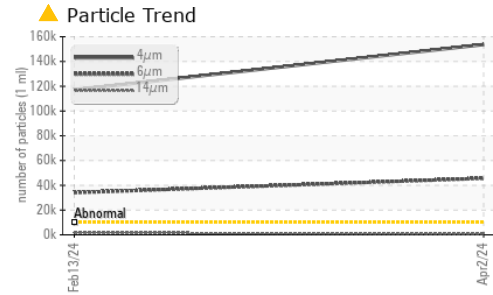
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>1</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>0</b>	1	---
Calcium	ppm	ASTM D5185m	<b>0</b>	11	---
Phosphorus	ppm	ASTM D5185m 1500	<b>1669</b>	9	---
Zinc	ppm	ASTM D5185m	<b>0</b>	4	---
Sulfur	ppm	ASTM D5185m	<b>48</b>	<1	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>2</b>	3	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	---
Water	%	ASTM D6304 >2.26	<b>0.022</b>	0.035	---
ppm Water	ppm	ASTM D6304 >22600	<b>228</b>	353	---

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>▲ 153709</b>	▲ 117036	---
Particles >6µm	ASTM D7647	>2500	<b>▲ 45602</b>	▲ 34046	---
Particles >14µm	ASTM D7647	>320	<b>▲ 778</b>	▲ 1661	---
Particles >21µm	ASTM D7647	>80	<b>▲ 129</b>	▲ 322	---
Particles >38µm	ASTM D7647	>20	<b>2</b>	5	---
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>▲ 24/23/17</b>	▲ 24/22/18	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.04	<b>0.014</b>	0.046	---

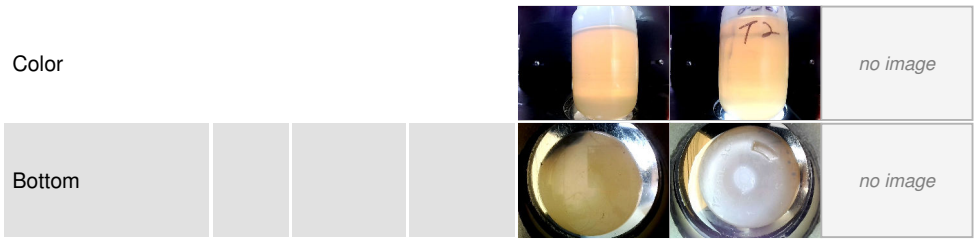
# OIL ANALYSIS REPORT



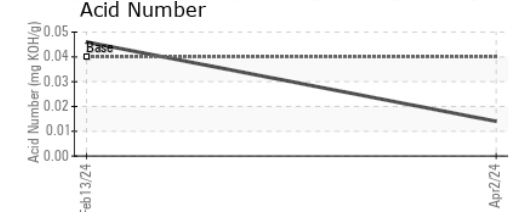
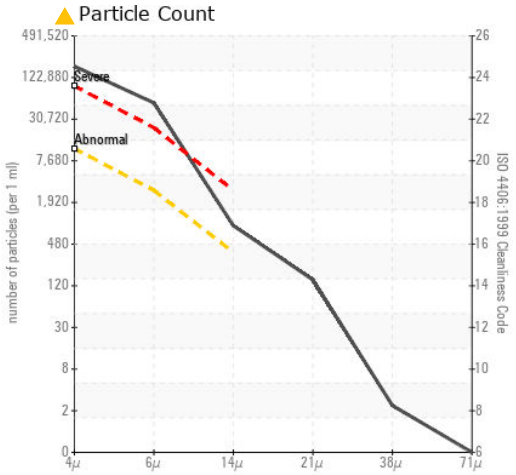
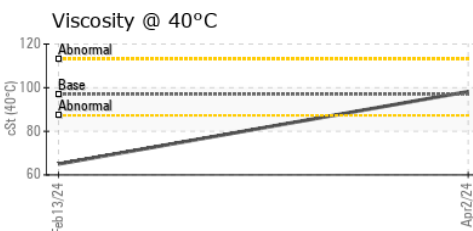
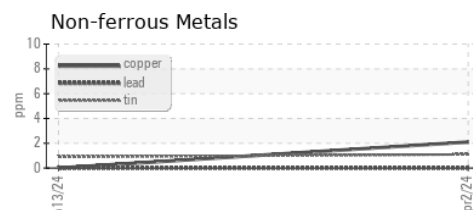
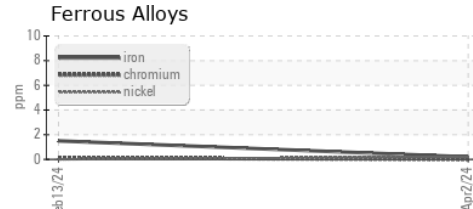
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	LIGHT	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	97	65.0	---
Visc @ 100°C	cSt	ASTM D445	17.5	10.4	---
Viscosity Index (VI)	Scale	ASTM D2270	198	147	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO20000427 **Received** : 20 May 2024  
**Lab Number** : 06185085 **Tested** : 22 May 2024  
**Unique Number** : 11036411 **Diagnosed** : 22 May 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**KINETIK HOLDINGS - DIAMOND**  
 1964 FM 2903  
 BALMORHEA, TX  
 US 79718  
 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)