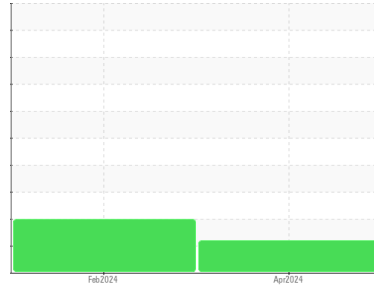


# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**GEA C-1370**  
 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 silt (particulates < 14 microns in size) 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>TO20000425</b>	TO90003233	---
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>2</b>	12	---
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>	2	---
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>0</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>	18	---
Phosphorus	ppm	ASTM D5185m	1500	<b>1566</b>	14	---
Zinc	ppm	ASTM D5185m		<b>0</b>	8	---
Sulfur	ppm	ASTM D5185m		<b>32</b>	0	---

**CONTAMINANTS**    method    limit/base    current    history1    history2

Silicon	ppm	ASTM D5185m	>50	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water	%	ASTM D6304	>2.26	<b>0.029</b>	0.029	---
ppm Water	ppm	ASTM D6304	>22600	<b>292</b>	292	---

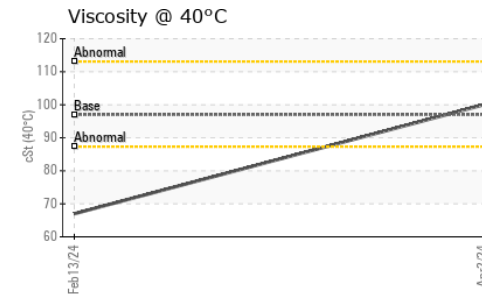
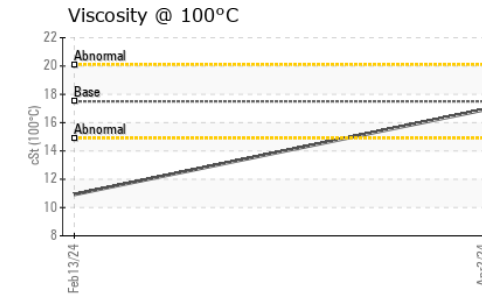
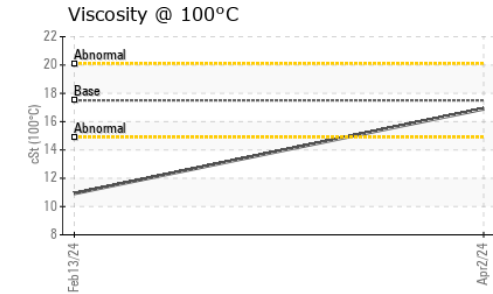
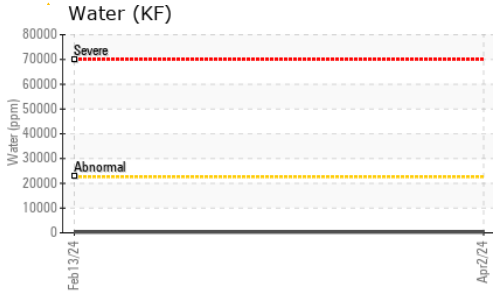
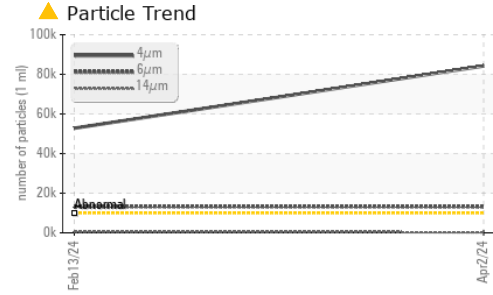
**FLUID CLEANLINESS**    method    limit/base    current    history1    history2

Particles >4µm	ASTM D7647	>10000	<b>▲ 84199</b>	▲ 52806	---
Particles >6µm	ASTM D7647	>2500	<b>▲ 13176</b>	▲ 13261	---
Particles >14µm	ASTM D7647	>320	<b>233</b>	▲ 540	---
Particles >21µm	ASTM D7647	>80	<b>39</b>	▲ 129	---
Particles >38µm	ASTM D7647	>20	<b>1</b>	2	---
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>▲ 24/21/15</b>	▲ 23/21/16	---

**FLUID DEGRADATION**    method    limit/base    current    history1    history2

Acid Number (AN)	mg KOH/g	ASTM D8045	0.04	<b>0.013</b>	0.046	---
------------------	----------	------------	------	--------------	-------	-----

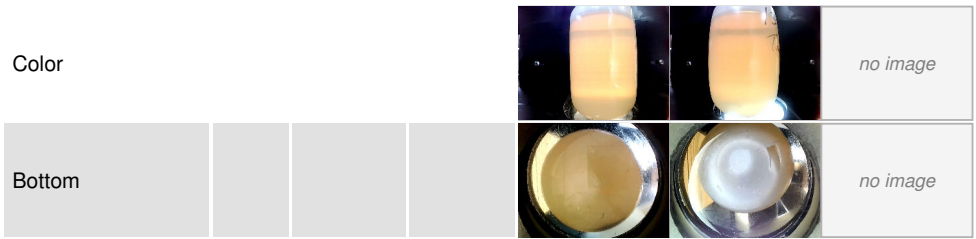
# OIL ANALYSIS REPORT



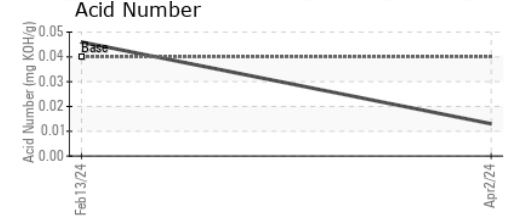
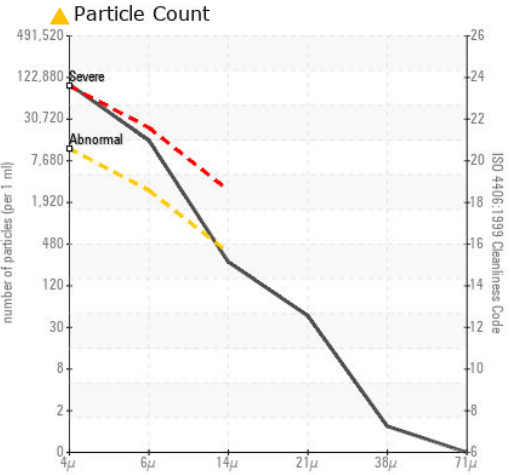
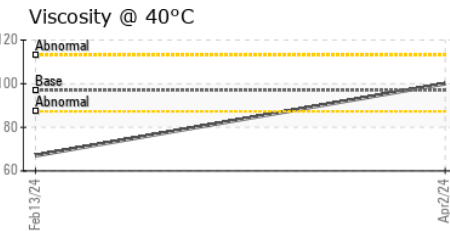
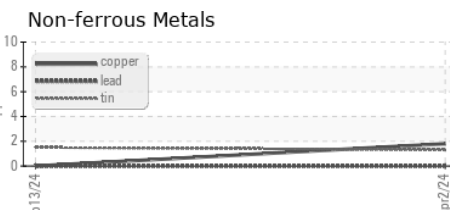
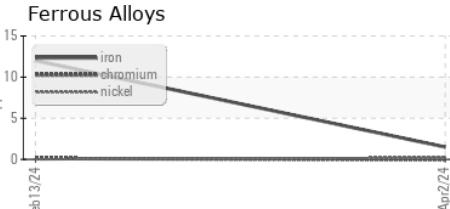
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	97	<b>100</b>	66.99	---
Visc @ 100°C	cSt	ASTM D445	17.5	<b>16.9</b>	10.92	---
Viscosity Index (VI)	Scale	ASTM D2270	198	<b>184</b>	154	---

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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO20000425 **Received** : 20 May 2024  
**Lab Number** : 06185083 **Tested** : 22 May 2024  
**Unique Number** : 11036409 **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)

T:  
F: