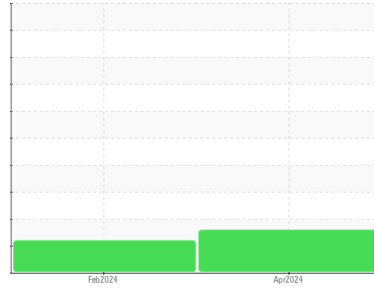


# OIL ANALYSIS REPORT

## Sample Rating Trend



Machine Id  
**GEA C-1365**  
 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>TO20000424</b>	TO90003232	---
Sample Date	Client Info			<b>03 Apr 2024</b>	13 Feb 2024	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>74</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>	7	---
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	---

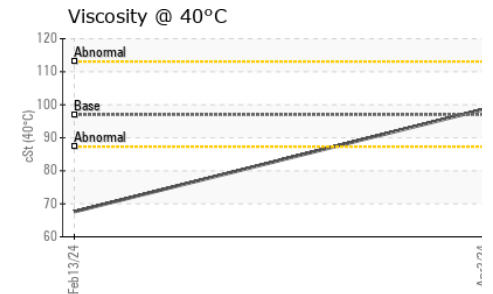
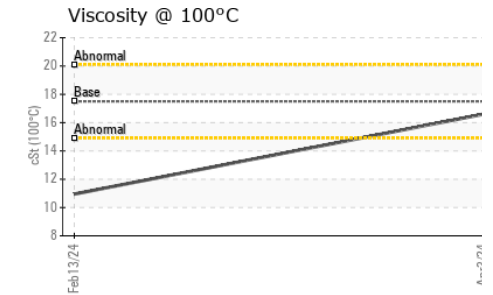
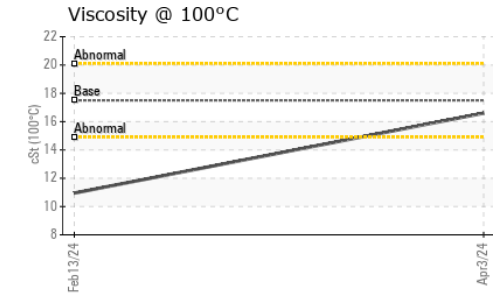
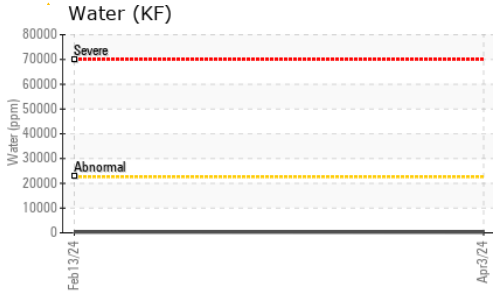
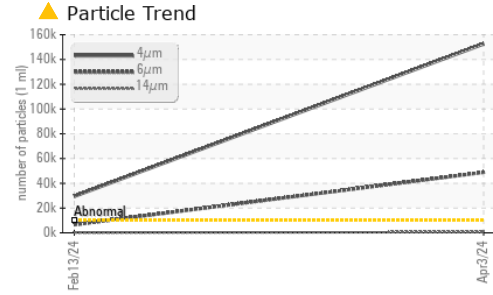
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	3	---
Calcium	ppm	ASTM D5185m		<b>0</b>	23	---
Phosphorus	ppm	ASTM D5185m	1500	<b>1559</b>	17	---
Zinc	ppm	ASTM D5185m		<b>0</b>	9	---
Sulfur	ppm	ASTM D5185m		<b>44</b>	0	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>4</b>	4	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water	%	ASTM D6304	>2.26	<b>0.026</b>	0.031	---
ppm Water	ppm	ASTM D6304	>22600	<b>262</b>	312	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>▲ 152563</b>	▲ 29459	---
Particles >6µm		ASTM D7647	>2500	<b>▲ 48876</b>	▲ 6552	---
Particles >14µm		ASTM D7647	>320	<b>▲ 566</b>	153	---
Particles >21µm		ASTM D7647	>80	<b>52</b>	22	---
Particles >38µm		ASTM D7647	>20	<b>0</b>	0	---
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>▲ 24/23/16</b>	▲ 22/20/14	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.04	<b>0.013</b>	0.047	---

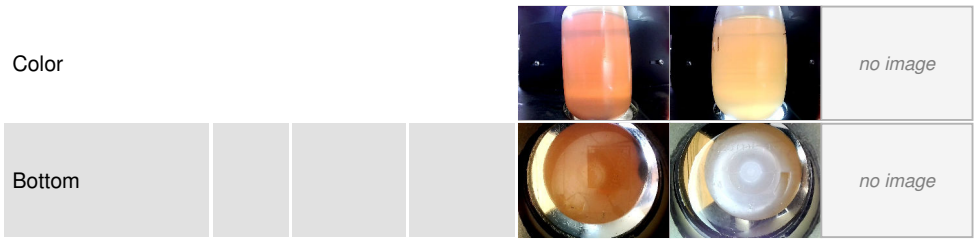
# OIL ANALYSIS REPORT



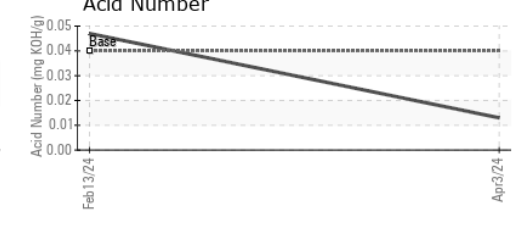
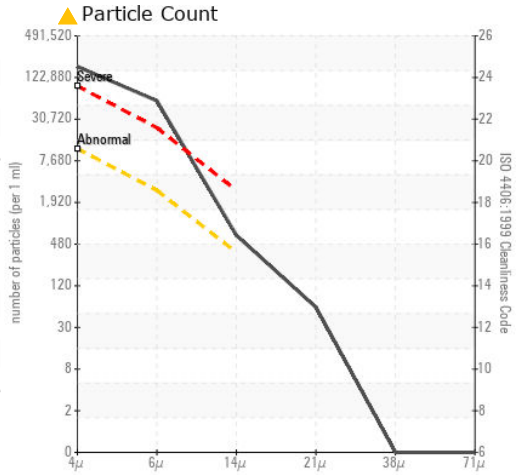
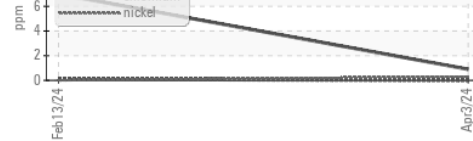
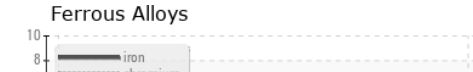
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	
Yellow Metal	scalar	*Visual	NONE	NONE	---	
Precipitate	scalar	*Visual	NONE	NONE	---	
Silt	scalar	*Visual	NONE	LIGHT	---	
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
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	98.6	67.6	---
Visc @ 100°C	cSt	ASTM D445	17.5	16.6	10.95	---
Viscosity Index (VI)	Scale	ASTM D2270	198	182	153	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO20000424 **Received** : 20 May 2024  
**Lab Number** : 06185087 **Tested** : 22 May 2024  
**Unique Number** : 11036413 **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)