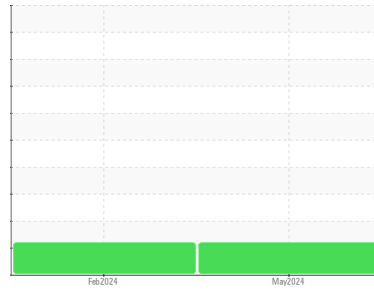


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id

GEA C-163

Component

Screw Compressor

Fluid

TULCO LUBSOIL SYN RL WI 100 (300 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate 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		TO90003203	TO90003223	---
Sample Date	Client Info		01 May 2024	13 Feb 2024	---
Machine Age	hrs	Client Info	35059	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Changed	N/A	---
Sample Status			ATTENTION	ATTENTION	---

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m	0	2	---
Calcium	ppm	ASTM D5185m	28	32	---
Phosphorus	ppm	ASTM D5185m 1500	609	376	---
Zinc	ppm	ASTM D5185m	5	12	---
Sulfur	ppm	ASTM D5185m	32	0	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	4	4	---
Sodium	ppm	ASTM D5185m	1	0	---
Potassium	ppm	ASTM D5185m >20	1	0	---
Water	%	ASTM D6304 >2.26	0.019	0.011	---
ppm Water	ppm	ASTM D6304 >22600	193	113	---

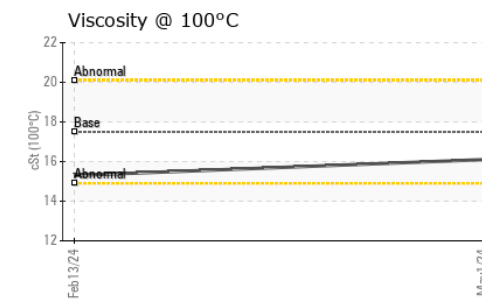
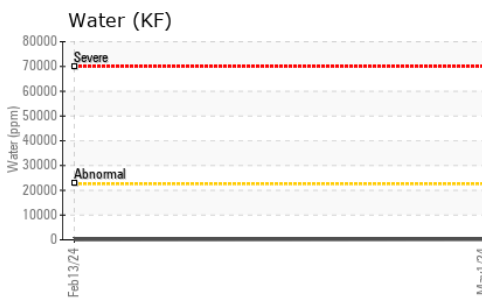
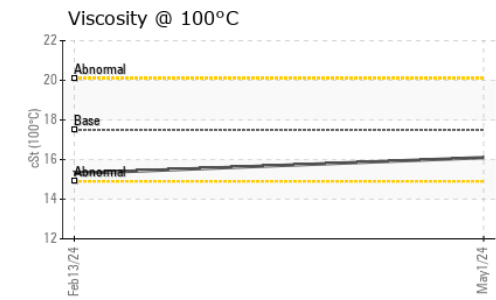
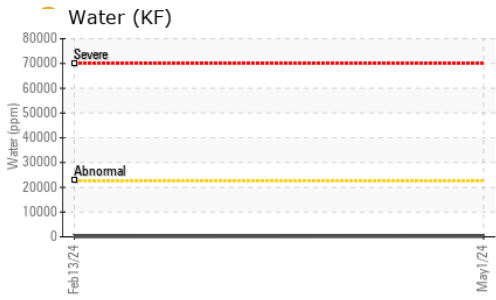
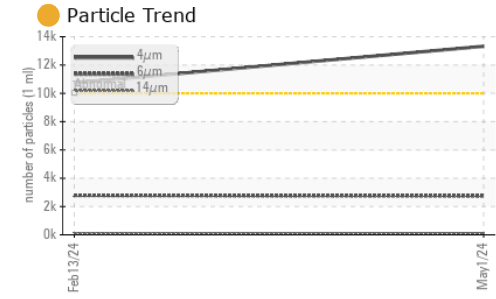
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	13324	10737	---
Particles >6µm	ASTM D7647	>2500	2747	2785	---
Particles >14µm	ASTM D7647	>320	122	105	---
Particles >21µm	ASTM D7647	>80	21	15	---
Particles >38µm	ASTM D7647	>20	1	0	---
Particles >71µm	ASTM D7647	>4	0	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	21/19/14	21/19/14	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.04	0.037	0.045	---

OIL ANALYSIS REPORT

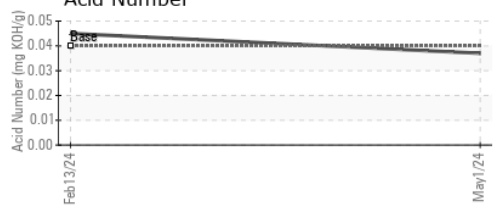
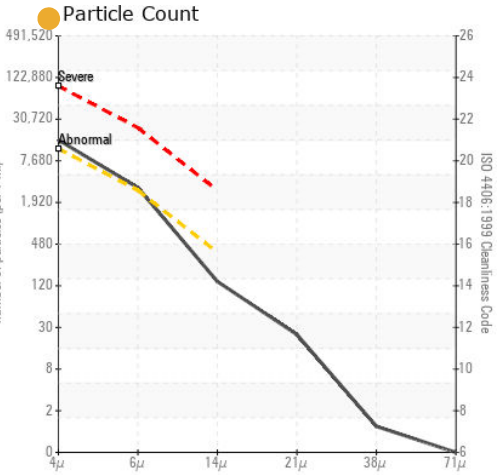
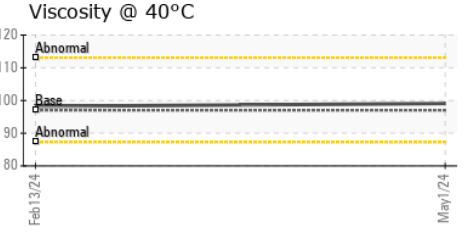
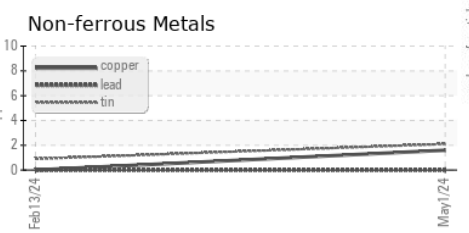
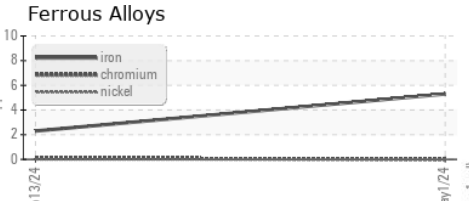


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	97	98.2	---
Visc @ 100°C	cSt	ASTM D445	17.5	15.3	---
Viscosity Index (VI)	Scale	ASTM D2270	198	174	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO90003203 **Received** : 20 May 2024
Lab Number : 06185068 **Tested** : 22 May 2024
Unique Number : 11036394 **Diagnosed** : 22 May 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

KINETIK HOLDINGS - EAST TOYAH
 49 COUNTY RD 419
 PECOS, TX
 US 79772
 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: