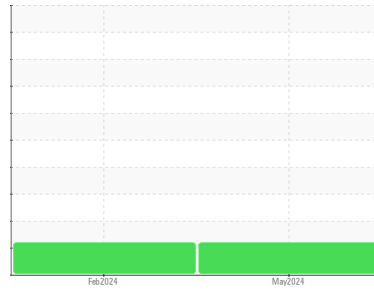


# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**FRICK C-2163**  
 Component  
**Screw Compressor**  
 Fluid  
**{not provided} (300 GAL)**

**DIAGNOSIS**

**Recommendation**  
 Oil and filter change at the time of sampling has been noted. 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 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>TO90003161</b>	TO90003226	---
Sample Date	Client Info		<b>20 May 2024</b>	14 Feb 2024	---
Machine Age	hrs	Client Info	<b>5495</b>	0	---
Oil Age	hrs	Client Info	<b>2500</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ATTENTION	---

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >60	<b>1</b>	0	---
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>&lt;1</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>	0	---
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>	2	---
Calcium	ppm	ASTM D5185m	<b>0</b>	2	---
Phosphorus	ppm	ASTM D5185m	<b>1582</b>	1266	---
Zinc	ppm	ASTM D5185m	<b>0</b>	<1	---
Sulfur	ppm	ASTM D5185m	<b>50</b>	0	---

**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>2</b>	<1	---
Sodium	ppm	ASTM D5185m	<b>2</b>	0	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	---
Water	%	ASTM D6304 >0.1	<b>0.018</b>	0.032	---
ppm Water	ppm	ASTM D6304 >1000	<b>183</b>	321	---

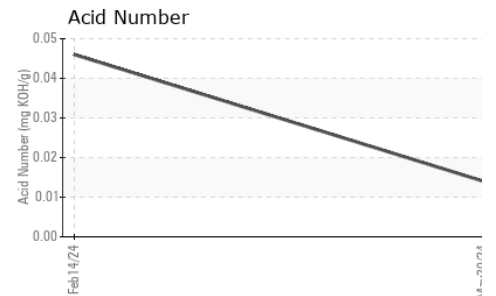
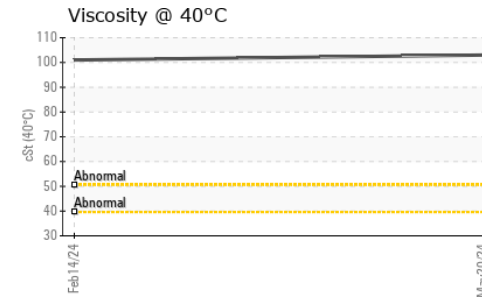
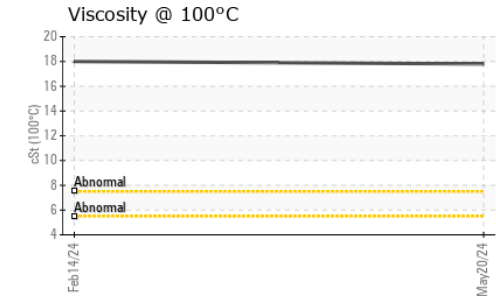
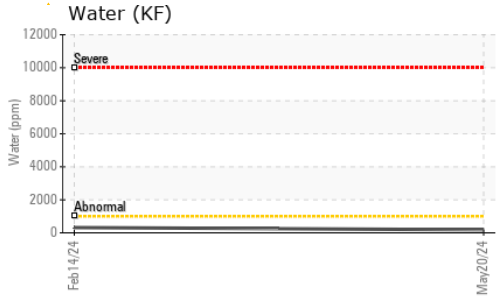
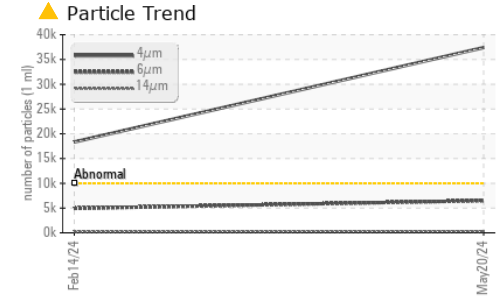
**FLUID CLEANLINESS**

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>▲ 37410</b>	● 18347	---
Particles >6µm	ASTM D7647	>2500	<b>▲ 6493</b>	● 4933	---
Particles >14µm	ASTM D7647	>320	<b>272</b>	198	---
Particles >21µm	ASTM D7647	>80	<b>48</b>	35	---
Particles >38µm	ASTM D7647	>20	<b>2</b>	1	---
Particles >71µm	ASTM D7647	>4	<b>1</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>▲ 22/20/15</b>	● 21/19/15	---

**FLUID DEGRADATION**

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

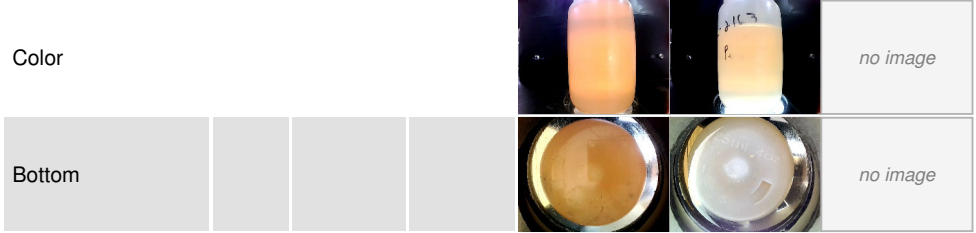
# OIL ANALYSIS REPORT



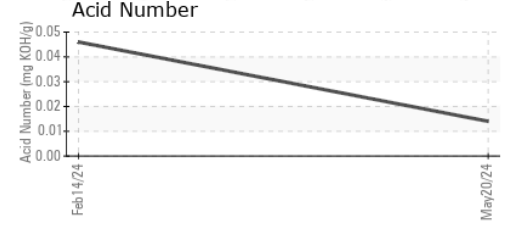
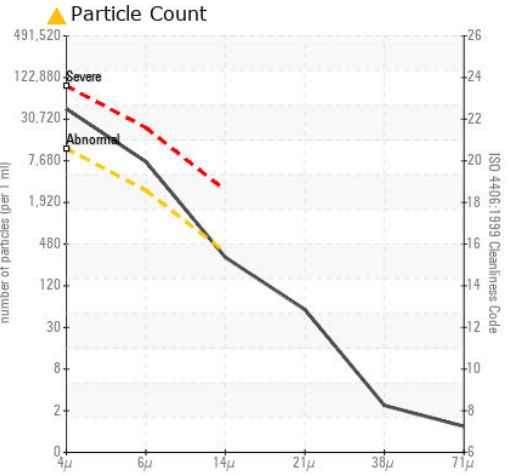
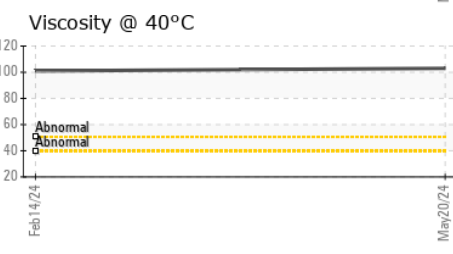
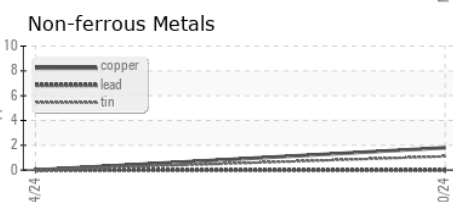
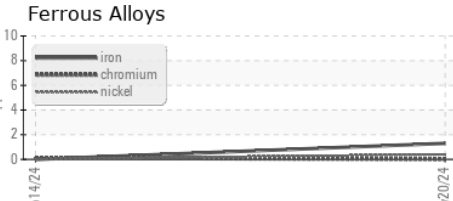
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	103	101	---
Visc @ 100°C	cSt	ASTM D445	17.8	18.0	---
Viscosity Index (VI)	Scale	ASTM D2270	191	197	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO90003161 **Received** : 20 May 2024  
**Lab Number** : 06185078 **Tested** : 22 May 2024  
**Unique Number** : 11036404 **Diagnosed** : 22 May 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**KINETIK HOLDINGS - PECOS**  
 473 CR 118  
 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)