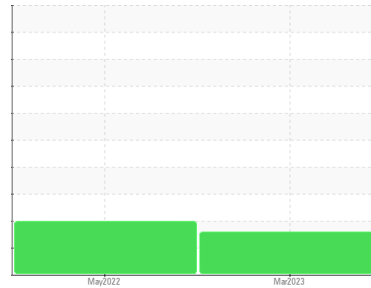


# OIL ANALYSIS REPORT

## Sample Rating Trend



ISO



Machine Id  
**KAESER AS30T 7793248 (S/N 1652)**

Component  
**Compressor**

Fluid  
**KAESER SIGMA (OEM) S-460 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

No corrective action is recommended at this time. The 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>KCPA000204</b>	KCP50806	---
Sample Date	Client Info		<b>03 Mar 2023</b>	13 May 2022	---
Machine Age	hrs	Client Info	<b>3731</b>	1688	---
Oil Age	hrs	Client Info	<b>0</b>	1688	---
Oil Changed	Client Info		<b>N/A</b>	Changed	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	1	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m >3	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185m >10	<b>0</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>	<1	---
Barium	ppm	ASTM D5185m 90	<b>54</b>	29	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 90	<b>71</b>	73	---
Calcium	ppm	ASTM D5185m 2	<b>5</b>	2	---
Phosphorus	ppm	ASTM D5185m	<b>8</b>	7	---
Zinc	ppm	ASTM D5185m	<b>6</b>	2	---
Sulfur	ppm	ASTM D5185m	<b>19857</b>	16291	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	1	---
Sodium	ppm	ASTM D5185m	<b>10</b>	17	---
Potassium	ppm	ASTM D5185m >20	<b>8</b>	18	---
Water	%	ASTM D6304 >0.05	<b>0.014</b>	0.025	---
ppm Water	ppm	ASTM D6304 >500	<b>143.8</b>	258.4	---

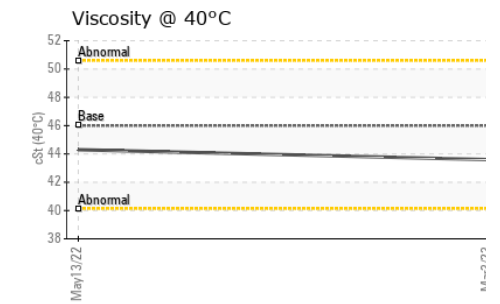
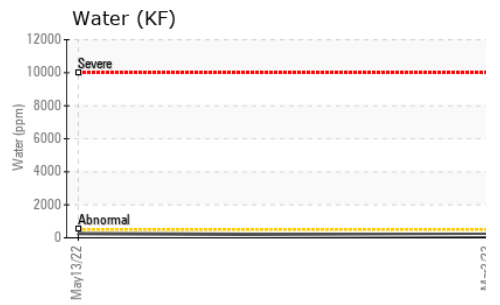
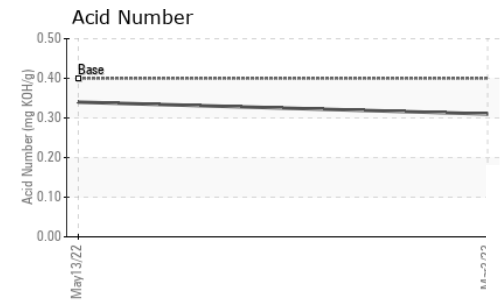
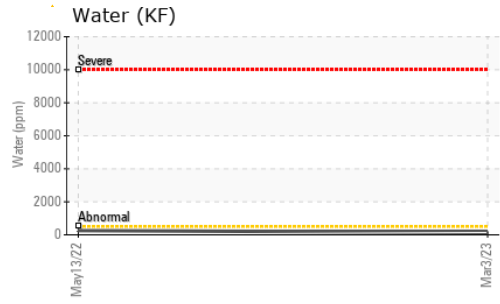
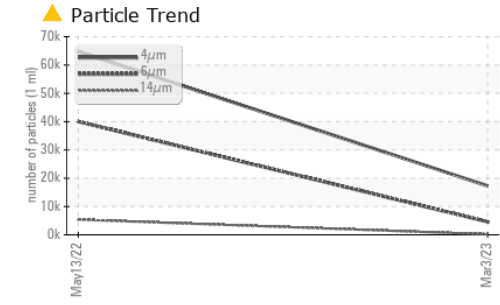
### FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>17287</b>	64729	---
Particles >6µm	ASTM D7647	>1300	▲ <b>4589</b>	▲ 40022	---
Particles >14µm	ASTM D7647	>80	▲ <b>190</b>	▲ 5377	---
Particles >21µm	ASTM D7647	>20	▲ <b>44</b>	▲ 606	---
Particles >38µm	ASTM D7647	>4	<b>2</b>	● 7	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>17/13	▲ <b>19/15</b>	▲ 23/20	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	<b>0.31</b>	0.34	---

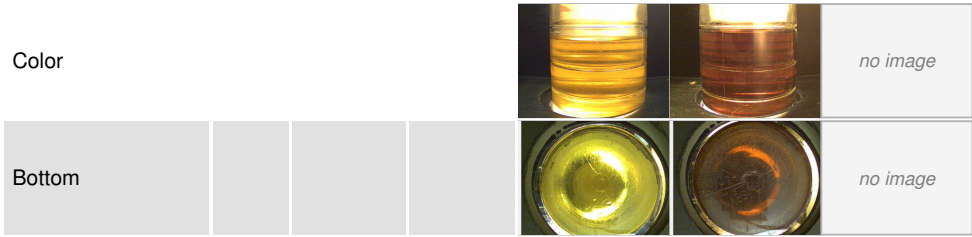
# OIL ANALYSIS REPORT



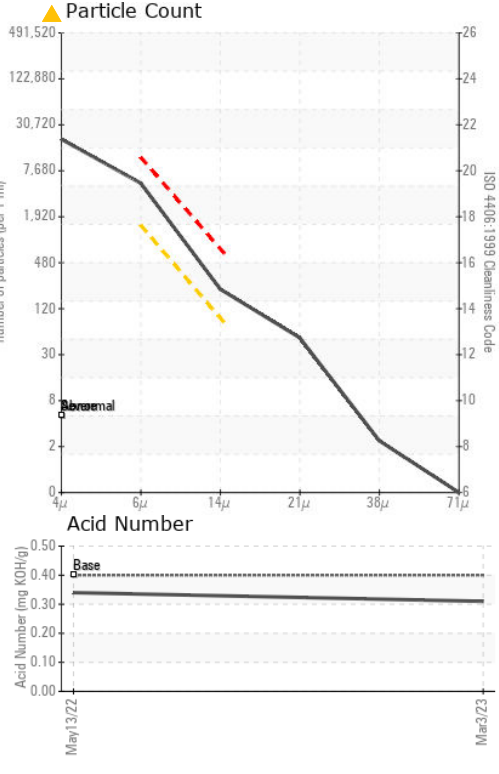
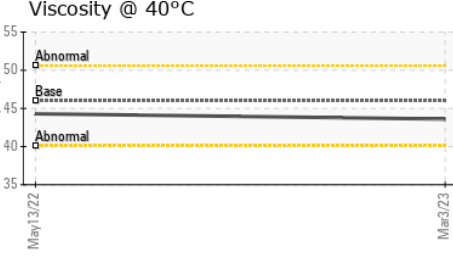
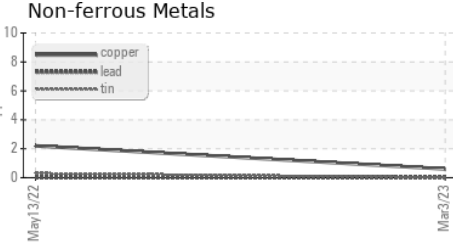
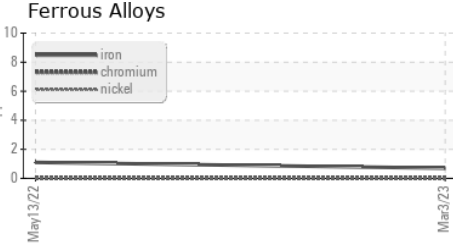
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	43.6	44.3

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCPA000204  
**Lab Number** : 05806951  
**Unique Number** : 10404480  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**Received** : 30 Mar 2023  
**Tested** : 31 Mar 2023  
**Diagnosed** : 02 Apr 2023 - Don Baldrige

**MILLERS CUSTOM CABINETS**  
 1403 N. JESSE JAMES RD  
 EXCELSIOR SPRINGS, MO  
 US 64024  
 Contact: CJ MINTON  
 cjminton.mcc@gmail.com

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)