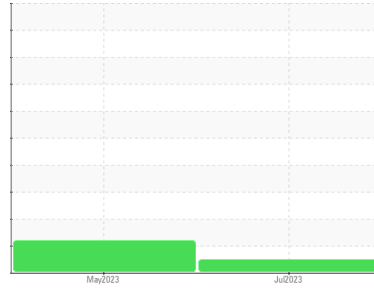




# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**KAESER 7888606**  
 Component  
**Compressor**  
 Fluid  
**KAESER SIGMA (OEM) S-460 (--- QTS)**

## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

**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>KC122837</b>	KC102752	---
Sample Date	Client Info		<b>27 Jul 2023</b>	23 May 2023	---
Machine Age	hrs	Client Info	<b>5433</b>	4732	---
Oil Age	hrs	Client Info	<b>3443</b>	2064	---
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	0	---
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>	0	---
Aluminum	ppm	ASTM D5185m >10	<b>0</b>	0	---
Lead	ppm	ASTM D5185m >10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>2</b>	1	---
Tin	ppm	ASTM D5185m >10	<b>&lt;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 90	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m 90	<b>76</b>	72	---
Calcium	ppm	ASTM D5185m 2	<b>0</b>	<1	---
Phosphorus	ppm	ASTM D5185m	<b>0</b>	1	---
Zinc	ppm	ASTM D5185m	<b>0</b>	2	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	1	---
Sodium	ppm	ASTM D5185m	<b>20</b>	15	---
Potassium	ppm	ASTM D5185m >20	<b>6</b>	6	---
Water	%	ASTM D6304 >0.05	<b>0.036</b>	0.026	---
ppm Water	ppm	ASTM D6304 >500	<b>369.7</b>	263.5	---

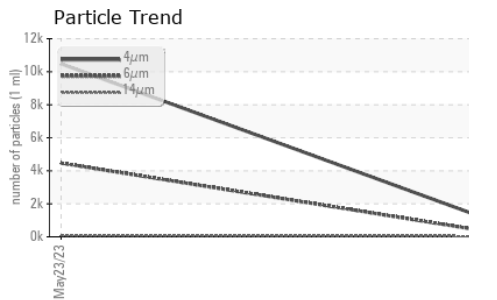
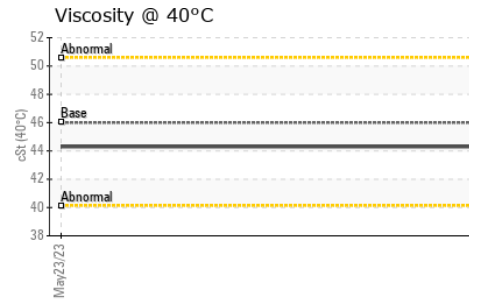
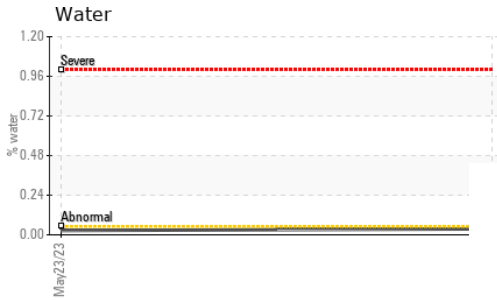
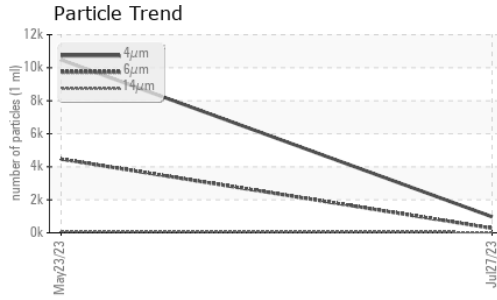
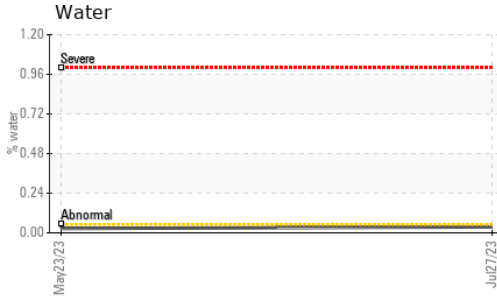
## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>972</b>	10482	---
Particles >6µm	ASTM D7647 >1300		<b>277</b>	▲ 4465	---
Particles >14µm	ASTM D7647 >80		<b>31</b>	▲ 81	---
Particles >21µm	ASTM D7647 >20		<b>8</b>	9	---
Particles >38µm	ASTM D7647 >4		<b>1</b>	0	---
Particles >71µm	ASTM D7647 >3		<b>1</b>	0	---
Oil Cleanliness	ISO 4406 (c) >--/17/13		<b>17/15/12</b>	▲ 21/19/14	---

## FLUID DEGRADATION

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

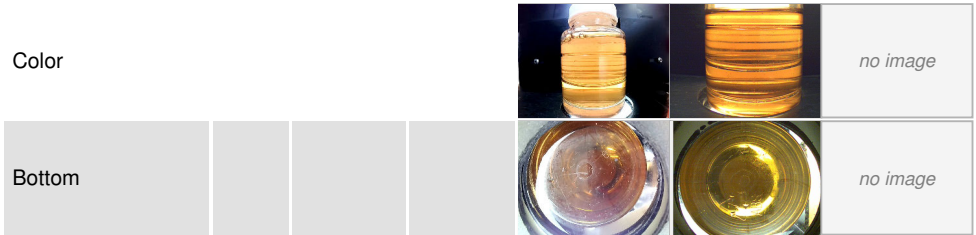
# OIL ANALYSIS REPORT



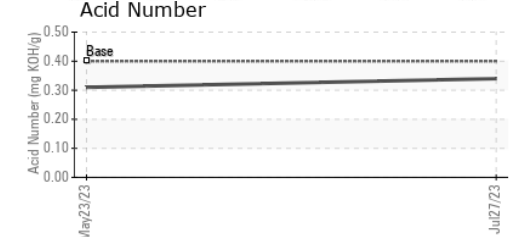
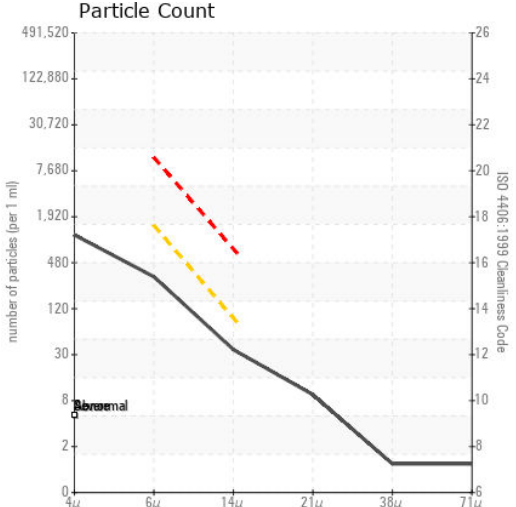
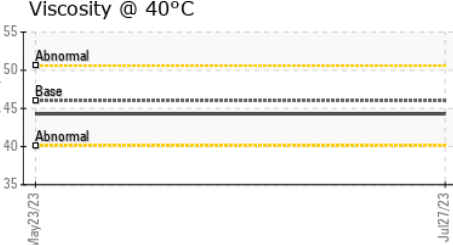
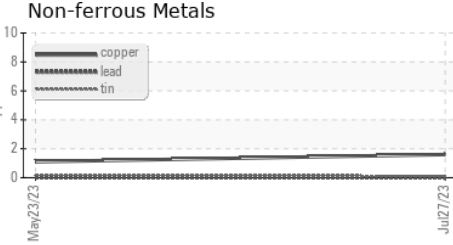
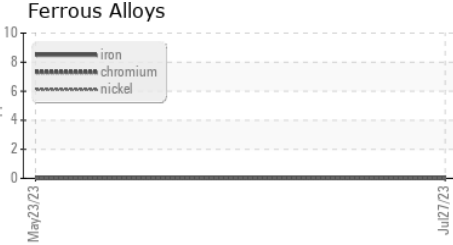
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

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

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KC122837 **Received** : 21 Aug 2023  
**Lab Number** : 05930384 **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10615655 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**AMAZON FULFILLMENT CENTER TPA4**  
 8990 N US HWY 301  
 TEMPLE TERRACE, FL  
 US 33637  
 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: