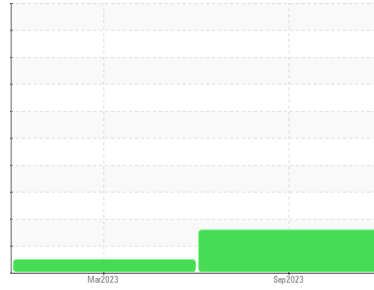




# PROBLEM SUMMARY

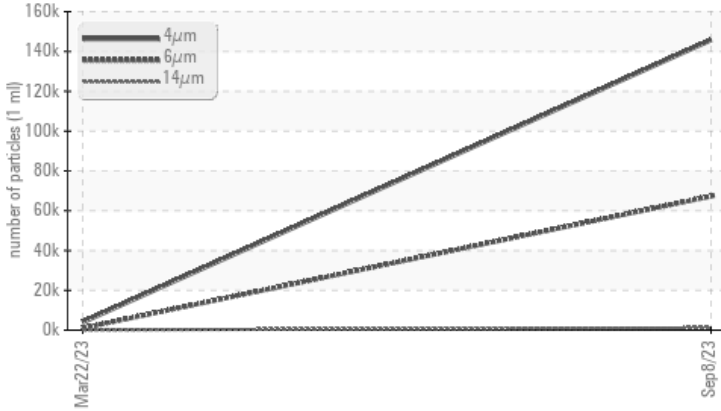
Sample Rating Trend



Machine Id  
**KAESER CSD 125 7547303 (S/N 1064)**  
 Component  
**Compressor**  
 Fluid  
**KAESER SIGMA (OEM) S-460 (--- GAL)**

## COMPONENT CONDITION SUMMARY

▲ Particle Trend



## 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.

## PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	---
Particles >6µm	ASTM D7647	>1300	▲ <b>67262</b>	1011	---
Particles >14µm	ASTM D7647	>80	▲ <b>1189</b>	71	---
Particles >21µm	ASTM D7647	>20	▲ <b>118</b>	32	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ <b>24/23/17</b>	19/17/13	---

Customer Id: SAPSTA  
 Sample No.: KCPA006020  
 Lab Number: 05999863  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

**22 Mar 2023 Diag: Angela Borella**

NORMAL



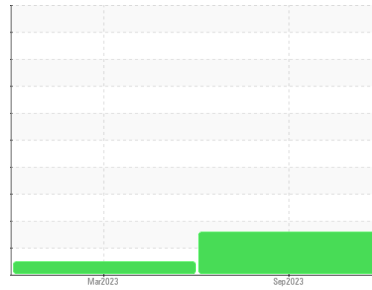
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

## Sample Rating Trend



ISO



Machine Id  
**KAESER CSD 125 7547303 (S/N 1064)**

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>KCPA006020</b>	KCP54167	---
Sample Date	Client Info			<b>08 Sep 2023</b>	22 Mar 2023	---
Machine Age	hrs	Client Info		<b>7795</b>	6165	---
Oil Age	hrs	Client Info		<b>0</b>	6165	---
Oil Changed	Client Info			<b>N/A</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

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>	<1	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>10</b>	6	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

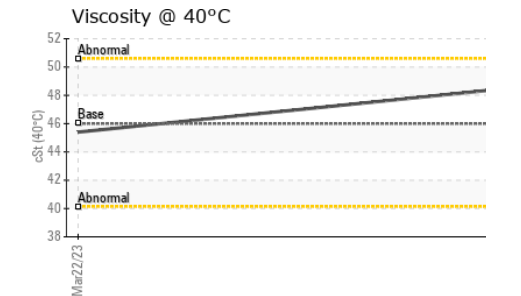
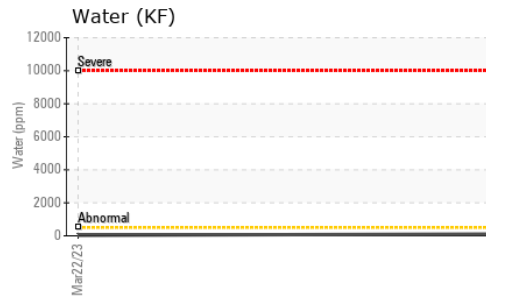
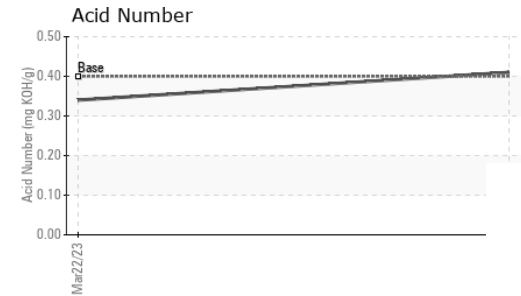
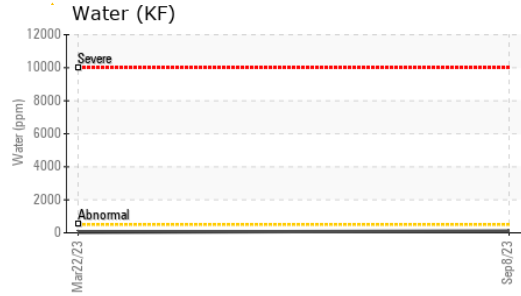
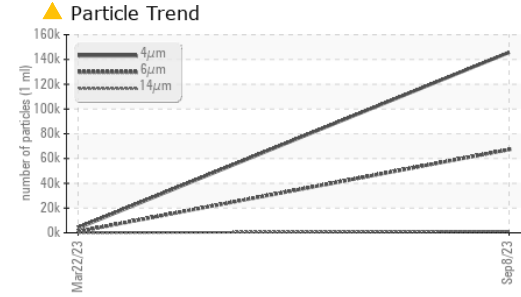
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m	90	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	90	<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m	2	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m		<b>&lt;1</b>	3	---
Zinc	ppm	ASTM D5185m		<b>0</b>	1	---
Sulfur	ppm	ASTM D5185m		<b>16914</b>	17520	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	---
Water	%	ASTM D6304	>0.05	<b>0.010</b>	0.003	---
ppm Water	ppm	ASTM D6304	>500	<b>108.5</b>	34.2	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		<b>145722</b>	3895	---
Particles >6µm		ASTM D7647	>1300	▲ <b>67262</b>	1011	---
Particles >14µm		ASTM D7647	>80	▲ <b>1189</b>	71	---
Particles >21µm		ASTM D7647	>20	▲ <b>118</b>	32	---
Particles >38µm		ASTM D7647	>4	<b>3</b>	4	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ <b>24/23/17</b>	19/17/13	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	<b>0.41</b>	0.34	---

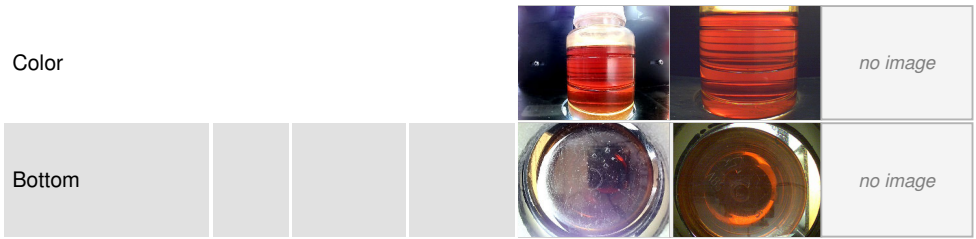
# OIL ANALYSIS REPORT



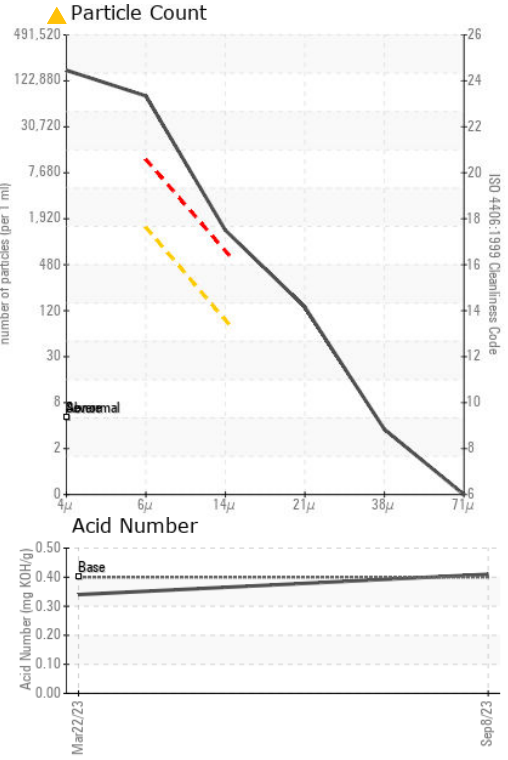
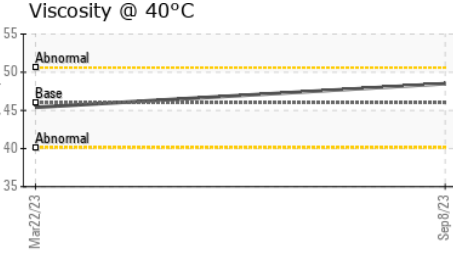
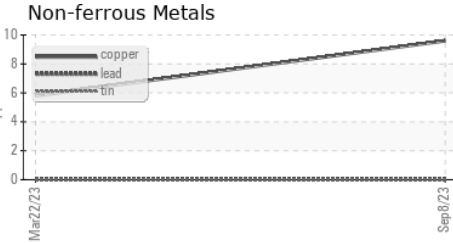
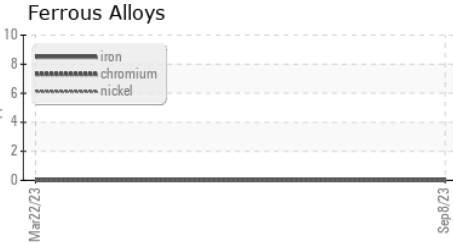
PARAMETER	VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE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

PARAMETER	VISUAL	method	limit/base	current	history1	history2
FLUID PROPERTIES						
Visc @ 40°C	cSt	ASTM D445	46	<b>48.5</b>	45.4	---

PARAMETER	VISUAL	method	limit/base	current	history1	history2
SAMPLE IMAGES						



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCPA006020 **Received** : 06 Nov 2023  
**Lab Number** : 05999863 **Diagnosed** : 08 Nov 2023  
**Unique Number** : 10728223 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**SAPA / HYDRO EXTRUSION**  
 200 RIVIERA BLVD  
 ST AUGUSTINE, FL  
 US 32086  
 Contact: SHANE HAWTHORNE  
 shane.hawthorne@hydro.com  
 T:  
 F:

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)