



# PROBLEM SUMMARY

Sample Rating Trend



ISO

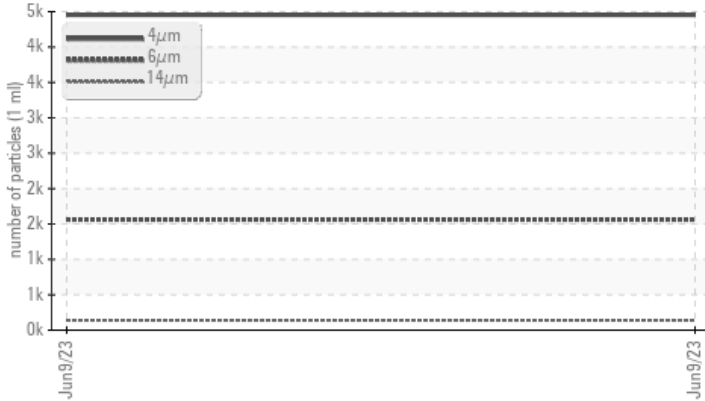


Machine Id  
**4428746 (S/N 1219)**

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			<b>ATTENTION</b>	---	---
Particles >6µm	ASTM D7647	>1300	▲ <b>1562</b>	---	---
Particles >14µm	ASTM D7647	>80	▲ <b>139</b>	---	---
Particles >21µm	ASTM D7647	>20	▲ <b>46</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ <b>19/18/14</b>	---	---

**Customer Id:** ALLLOD  
**Sample No.:** KC123110  
**Lab Number:** 05880899  
**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



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**4428746 (S/N 1219)**  
 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 moderate 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>KC123110</b>	---	---
Sample Date	Client Info	<b>09 Jun 2023</b>	---	---
Machine Age	hrs	Client Info	<b>12972</b>	---
Oil Age	hrs	Client Info	<b>0</b>	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m	90	<b>24</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m	90	<b>67</b>	---	---
Calcium	ppm	ASTM D5185m	2	<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>0</b>	---	---
Zinc	ppm	ASTM D5185m		<b>0</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---	---
Sodium	ppm	ASTM D5185m		<b>18</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	---	---
Water	%	ASTM D6304	>0.05	<b>0.020</b>	---	---
ppm Water	ppm	ASTM D6304	>500	<b>202.5</b>	---	---

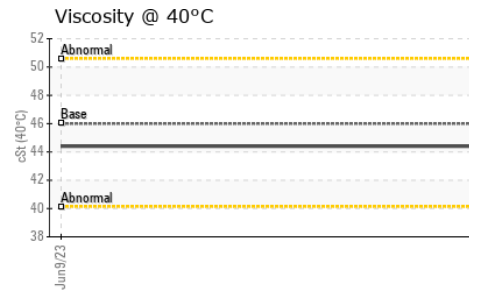
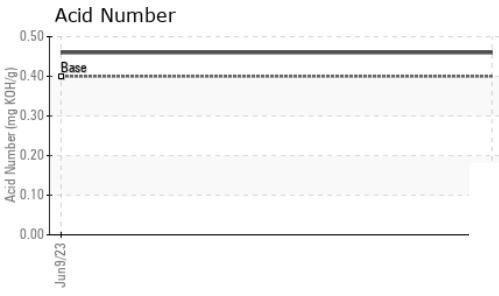
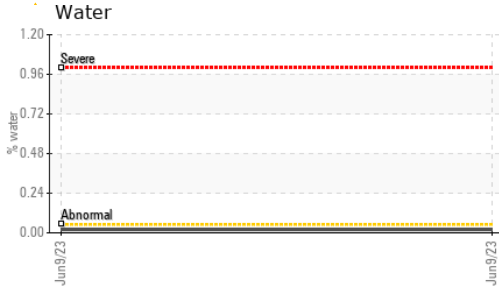
## FLUID CLEANLINESS

method	limit/base	current	history1	history2		
Particles >4µm	ASTM D7647			<b>4454</b>	---	---
Particles >6µm	ASTM D7647	>1300		<b>1562</b>	---	---
Particles >14µm	ASTM D7647	>80		<b>139</b>	---	---
Particles >21µm	ASTM D7647	>20		<b>46</b>	---	---
Particles >38µm	ASTM D7647	>4		<b>4</b>	---	---
Particles >71µm	ASTM D7647	>3		<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13		<b>19/18/14</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	<b>0.46</b>	---	---

# OIL ANALYSIS REPORT



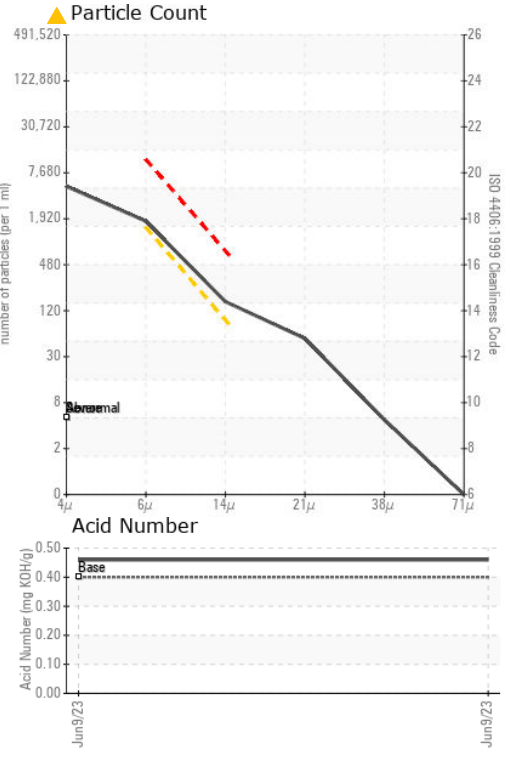
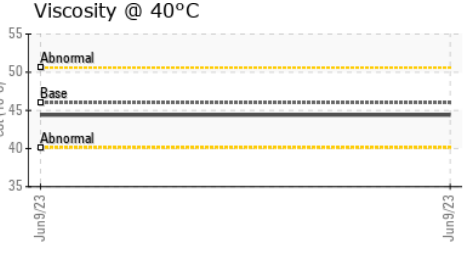
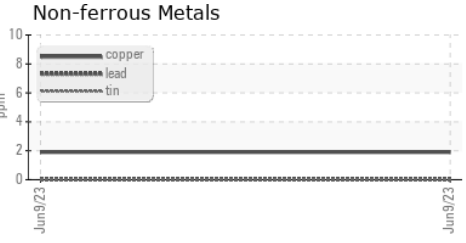
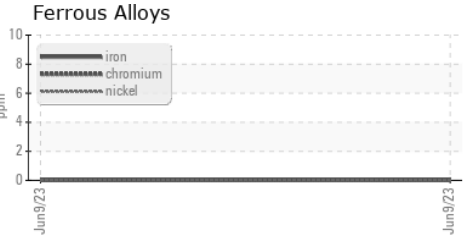
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	44.4	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KC123110 **Received** : 22 Jun 2023  
**Lab Number** : 05880899 **Diagnosed** : 26 Jun 2023  
**Unique Number** : 10526002 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**ALL COUNTY APPAREL**  
 10 DELL GLEN AVE  
 LODI, NJ  
 US 07644  
 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)*