



# PROBLEM SUMMARY

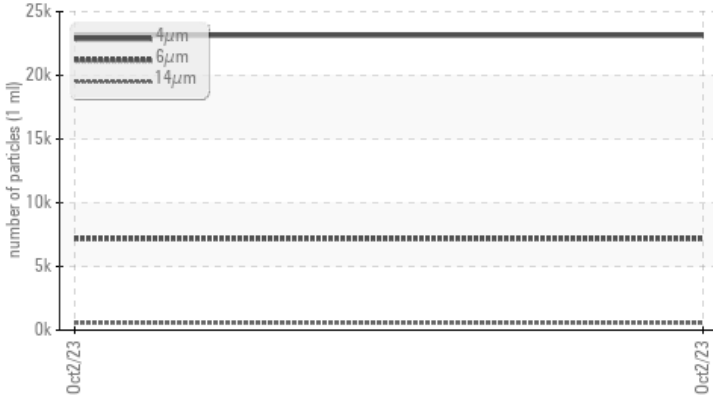
Sample Rating Trend



Machine Id  
**KAESER 1544339 (S/N 234051)**  
 Component  
**Compressor**  
 Fluid  
**NOT GIVEN (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Particles >6µm	ASTM D7647	>1300	▲ <b>7178</b>	---	---	---
Particles >14µm	ASTM D7647	>80	▲ <b>555</b>	---	---	---
Particles >21µm	ASTM D7647	>20	▲ <b>119</b>	---	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ <b>22/20/16</b>	---	---	---

Customer Id: PLAARV  
 Sample No.: KCP48014  
 Lab Number: 05967078  
 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)

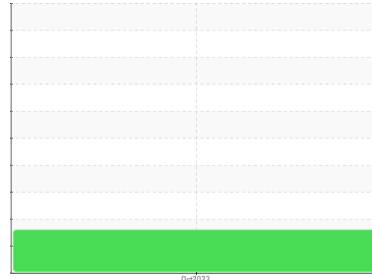
## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**KAESER 1544339 (S/N 234051)**

Component  
**Compressor**  
Fluid  
**NOT GIVEN (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Oil and 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>KCP48014</b>	---	---
Sample Date	Client Info	<b>02 Oct 2023</b>	---	---
Machine Age	hrs Client Info	<b>49842</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</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>1</b>	---	---
Lead ppm	ASTM D5185m >10	<b>0</b>	---	---
Copper ppm	ASTM D5185m >50	<b>0</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	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185m	<b>0</b>	---	---
Manganese ppm	ASTM D5185m	<b>0</b>	---	---
Magnesium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Calcium ppm	ASTM D5185m	<b>0</b>	---	---
Phosphorus ppm	ASTM D5185m	<b>136</b>	---	---
Zinc ppm	ASTM D5185m	<b>0</b>	---	---
Sulfur ppm	ASTM D5185m	<b>283</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	<b>&lt;1</b>	---	---
Sodium ppm	ASTM D5185m	<b>0</b>	---	---
Potassium ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---
Water %	ASTM D6304 >0.05	<b>0.002</b>	---	---
ppm Water ppm	ASTM D6304 >500	<b>17.0</b>	---	---

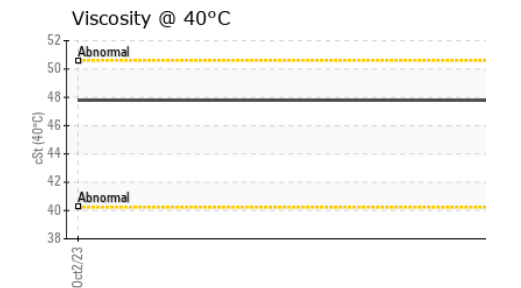
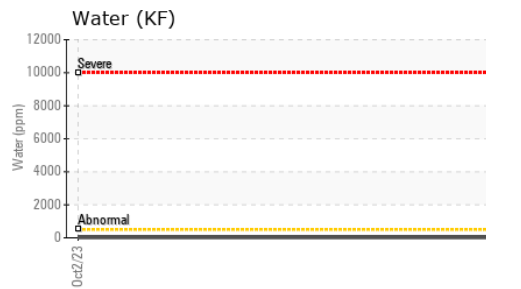
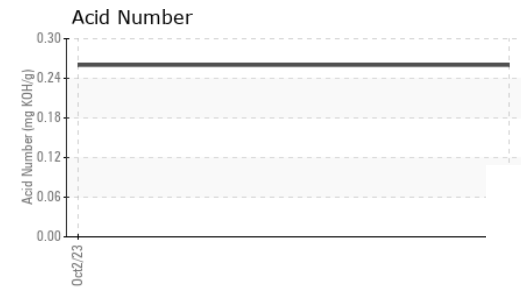
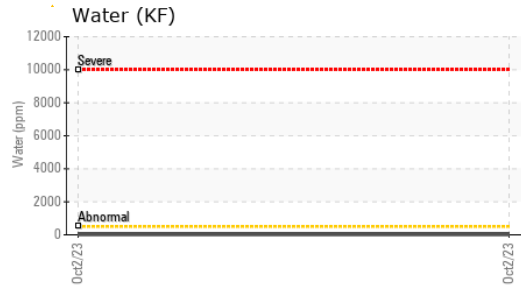
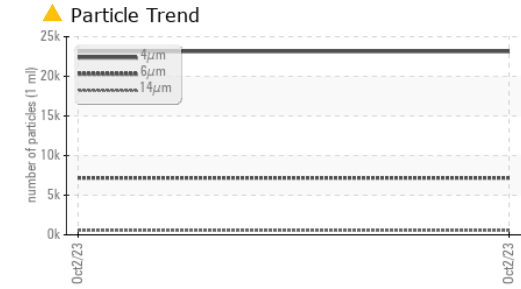
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>23139</b>	---	---
Particles >6µm	ASTM D7647 >1300	▲ <b>7178</b>	---	---
Particles >14µm	ASTM D7647 >80	▲ <b>555</b>	---	---
Particles >21µm	ASTM D7647 >20	▲ <b>119</b>	---	---
Particles >38µm	ASTM D7647 >4	<b>3</b>	---	---
Particles >71µm	ASTM D7647 >3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ <b>22/20/16</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	<b>0.26</b>	---	---

# OIL ANALYSIS REPORT



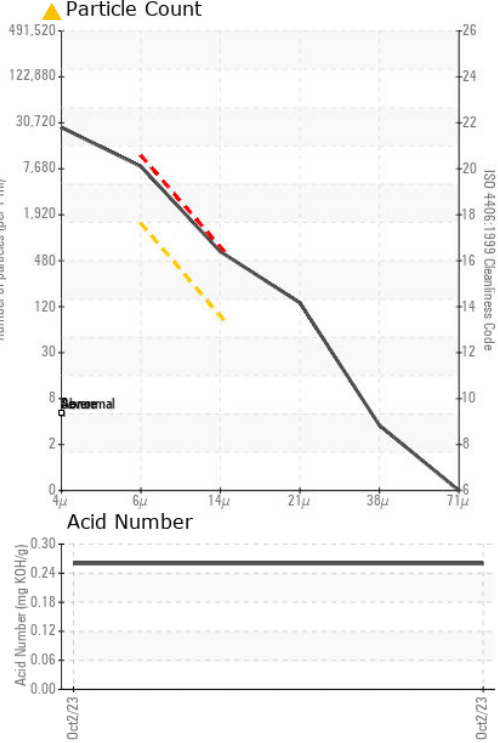
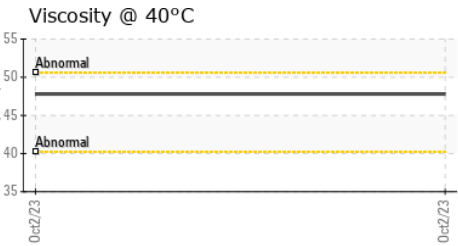
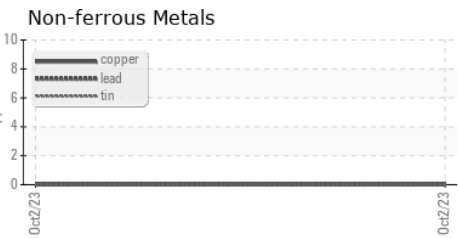
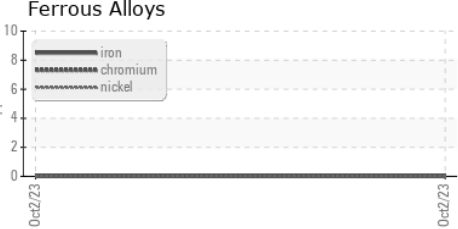
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	47.8	---	---

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.** : KCP48014 **Received** : 02 Oct 2023  
**Lab Number** : 05967078 **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10673629 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**PLAINS END**  
 8950 HWY 93  
 ARVADA, CO  
 US 80007  
 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)