



# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**KAESER SK 26 1423887 (S/N 0267621)**  
 Component  
**Compressor**  
 Fluid  
**KAESER SIGMA (OEM) M-460 (--- 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>KCPA013367</b>	---	---
Sample Date	Client Info	<b>26 Apr 2024</b>	---	---
Machine Age	hrs Client Info	<b>0</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>&lt;1</b>	---	---
Lead	ppm ASTM D5185m >10	<b>0</b>	---	---
Copper	ppm ASTM D5185m >50	<b>0</b>	---	---
Tin	ppm ASTM D5185m >10	<b>&lt;1</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 0	<b>0</b>	---	---
Barium	ppm ASTM D5185m 90	<b>20</b>	---	---
Molybdenum	ppm ASTM D5185m 0	<b>0</b>	---	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m 100	<b>78</b>	---	---
Calcium	ppm ASTM D5185m 0	<b>3</b>	---	---
Phosphorus	ppm ASTM D5185m 0	<b>8</b>	---	---
Zinc	ppm ASTM D5185m 0	<b>13</b>	---	---
Sulfur	ppm ASTM D5185m 23500	<b>21285</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>8</b>	---	---
Sodium	ppm ASTM D5185m	<b>16</b>	---	---
Potassium	ppm ASTM D5185m >20	<b>2</b>	---	---
Water	% ASTM D6304 >0.05	<b>0.013</b>	---	---
ppm Water	ppm ASTM D6304 >500	<b>131</b>	---	---

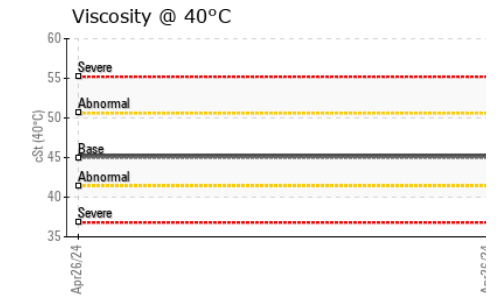
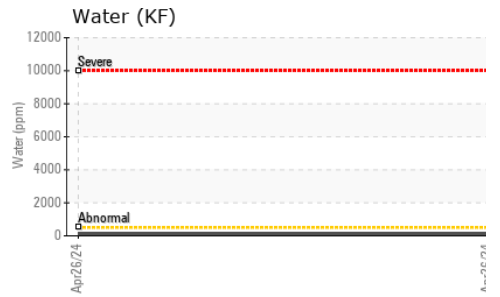
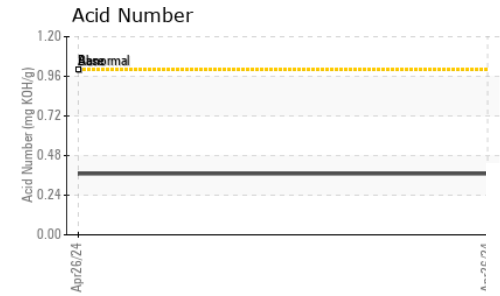
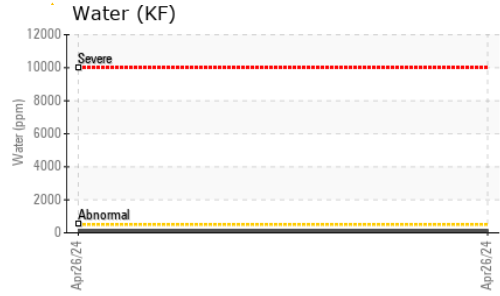
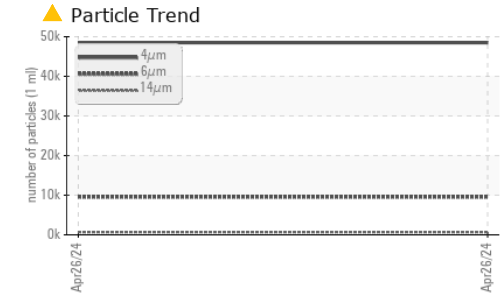
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>48494</b>	---	---
Particles >6µm	ASTM D7647 >1300	<b>▲ 9577</b>	---	---
Particles >14µm	ASTM D7647 >80	<b>▲ 670</b>	---	---
Particles >21µm	ASTM D7647 >20	<b>▲ 193</b>	---	---
Particles >38µm	ASTM D7647 >4	<b>▲ 6</b>	---	---
Particles >71µm	ASTM D7647 >3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >--/17/13	<b>▲ 23/20/17</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 1.0	<b>0.37</b>	---	---

# OIL ANALYSIS REPORT



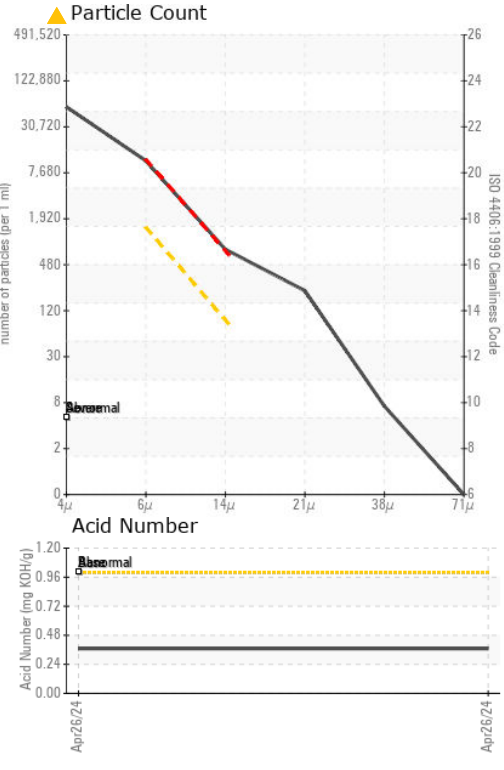
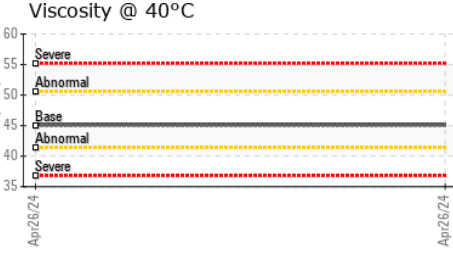
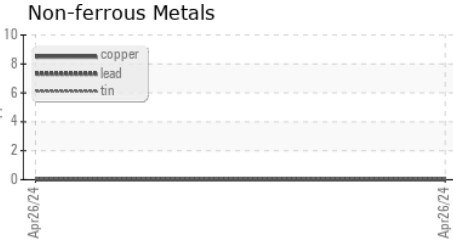
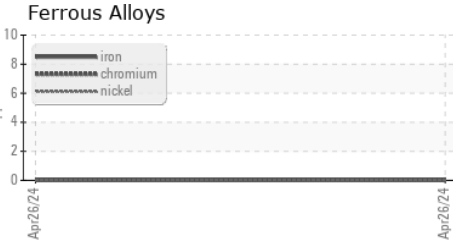
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	45	45.2	---	---

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.** : KCPA013367 **Received** : 09 May 2024  
**Lab Number** : 06174635 **Tested** : 13 May 2024  
**Unique Number** : 11020688 **Diagnosed** : 13 May 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**TONY L LOPES DAIRY**  
 27500 BUNKER RD  
 GUSTINE, CA  
 US 95322  
 Contact: Service Manager  
 tonylopesdairy@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)