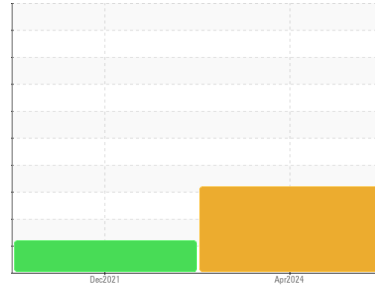




# OIL ANALYSIS REPORT

## Sample Rating Trend



**WATER**



Machine Id

**KAESER SK 15 7384724 (S/N 1570)**

Component

**Compressor**

Fluid

**KAESER SIGMA (OEM) S-460 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

Oil and filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend an early resample in 500 hours to monitor this condition.

#### Wear

All component wear rates are normal.

#### ▲ Contamination

Appearance is hazy. There is a light concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

#### 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>KC106024</b>	KC96033	---
Sample Date	Client Info		<b>01 Apr 2024</b>	02 Dec 2021	---
Machine Age	hrs	Client Info	<b>2076</b>	605	---
Oil Age	hrs	Client Info	<b>0</b>	605	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	1	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m >3	<b>2</b>	<1	---
Titanium	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >10	<b>2</b>	1	---
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m >50	<b>14</b>	1	---
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Antimony	ppm	ASTM D5185m	<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	---
Barium	ppm	ASTM D5185m 90	<b>1</b>	8	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 90	<b>62</b>	75	---
Calcium	ppm	ASTM D5185m 2	<b>6</b>	2	---
Phosphorus	ppm	ASTM D5185m	<b>4</b>	6	---
Zinc	ppm	ASTM D5185m	<b>9</b>	0	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>4</b>	<1	---
Sodium	ppm	ASTM D5185m	<b>14</b>	11	---
Potassium	ppm	ASTM D5185m >20	<b>7</b>	8	---
Water	%	ASTM D6304 >0.05	<b>▲ 0.101</b>	0.015	---
ppm Water	ppm	ASTM D6304 >500	<b>▲ 1010</b>	151.4	---

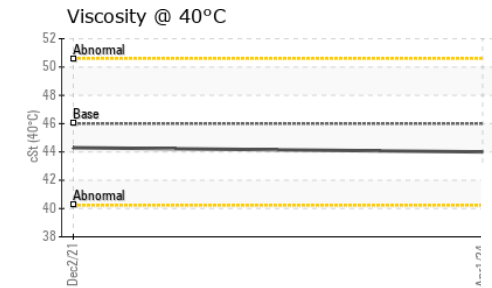
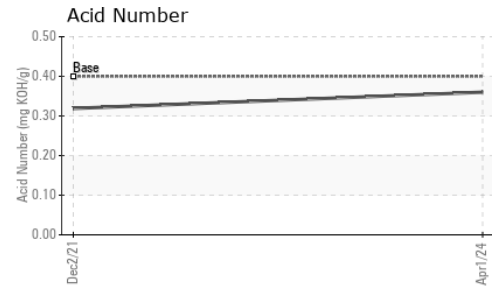
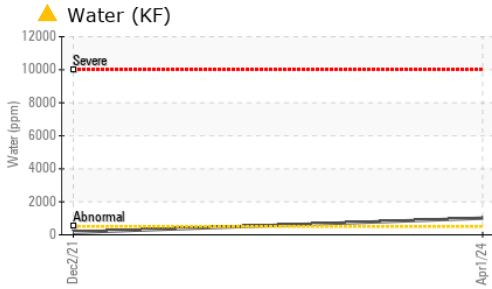
### FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>---</b>	12442	---
Particles >6µm	ASTM D7647 >1300		<b>---</b>	<b>▲ 2693</b>	---
Particles >14µm	ASTM D7647 >80		<b>---</b>	<b>▲ 254</b>	---
Particles >21µm	ASTM D7647 >20		<b>---</b>	<b>▲ 83</b>	---
Particles >38µm	ASTM D7647 >4		<b>---</b>	4	---
Particles >71µm	ASTM D7647 >3		<b>---</b>	0	---
Oil Cleanliness	ISO 4406 (c) >--/17/13		<b>---</b>	<b>▲ 19/15</b>	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	<b>0.36</b>	0.319	---

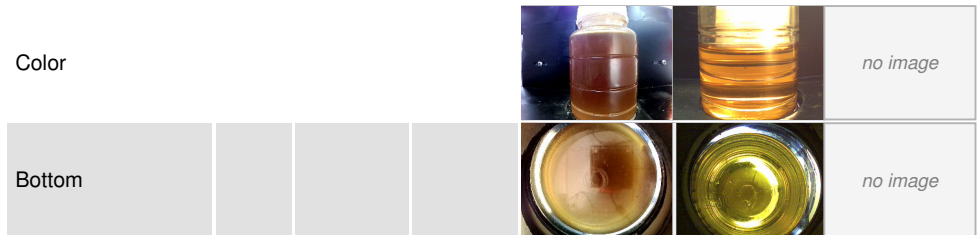
# OIL ANALYSIS REPORT



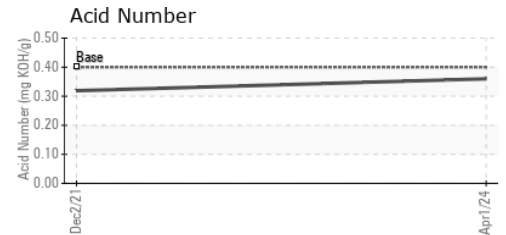
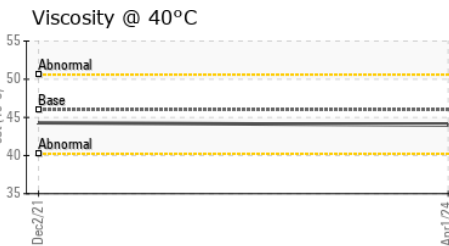
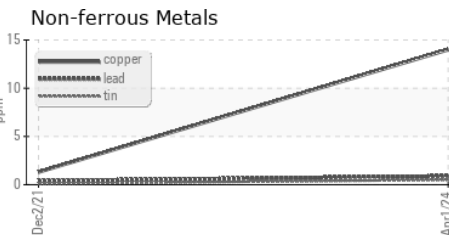
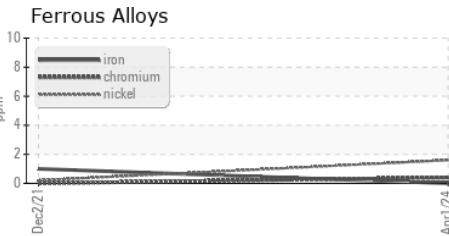
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	▲ MODER	---
Debris	scalar	*Visual	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● HAZY	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	44.0	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.** : KC106024 **Received** : 12 Apr 2024  
**Lab Number** : 06148081 **Tested** : 17 Apr 2024  
**Unique Number** : 10978159 **Diagnosed** : 17 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2

**PREMIER BUILDERS INC**  
 114 JEWETT ST  
 GEORGETOWN, MA  
 US 01833  
 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: