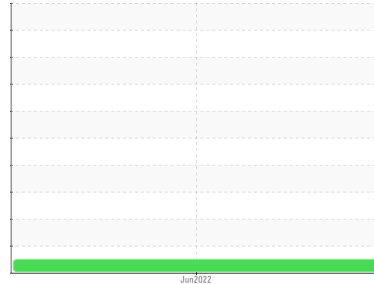




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**KAESER 7352116**  
 Component  
**Compressor**  
 Fluid  
**KAESER SIGMA (OEM) S-460 (--- GAL)**

### DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

**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>KCP51133</b>	---	---
Sample Date	Client Info		<b>20 Jun 2022</b>	---	---
Machine Age	hrs Client Info		<b>5260</b>	---	---
Oil Age	hrs Client Info		<b>3400</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>50	<b>&lt;1</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>&lt;1</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>2</b>	---	---
Barium	ppm ASTM D5185m	90	<b>32</b>	---	---
Molybdenum	ppm ASTM D5185m		<b>0</b>	---	---
Manganese	ppm ASTM D5185m		<b>0</b>	---	---
Magnesium	ppm ASTM D5185m	90	<b>85</b>	---	---
Calcium	ppm ASTM D5185m	2	<b>4</b>	---	---
Phosphorus	ppm ASTM D5185m		<b>6</b>	---	---
Zinc	ppm ASTM D5185m		<b>4</b>	---	---
Sulfur	ppm ASTM D5185m		<b>20967</b>	---	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Sodium	ppm ASTM D5185m		<b>16</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>5</b>	---	---
Water	% ASTM D6304	>0.05	<b>0.032</b>	---	---
ppm Water	ppm ASTM D6304	>500	<b>320.6</b>	---	---

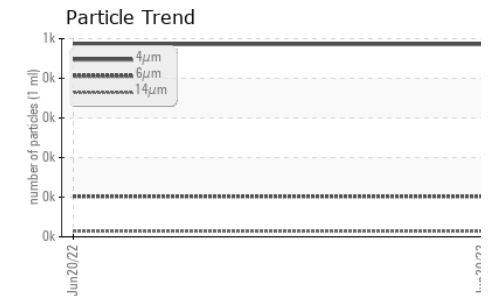
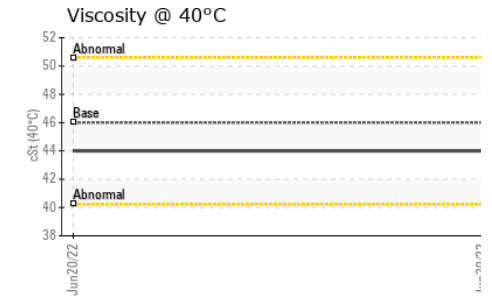
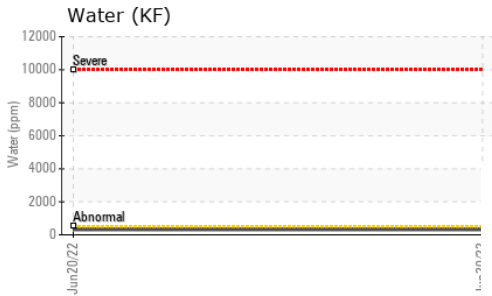
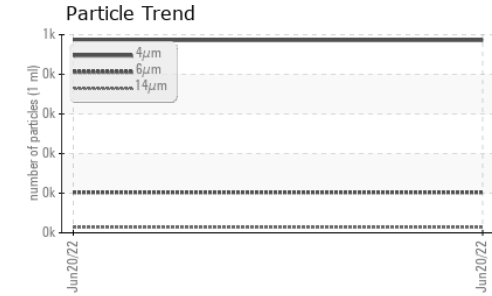
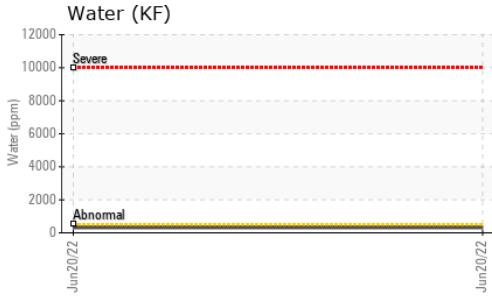
### FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>486</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>102</b>	---	---
Particles >14µm	ASTM D7647	>80	<b>14</b>	---	---
Particles >21µm	ASTM D7647	>20	<b>4</b>	---	---
Particles >38µm	ASTM D7647	>4	<b>1</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	<b>16/14/11</b>	---	---

### FLUID DEGRADATION

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

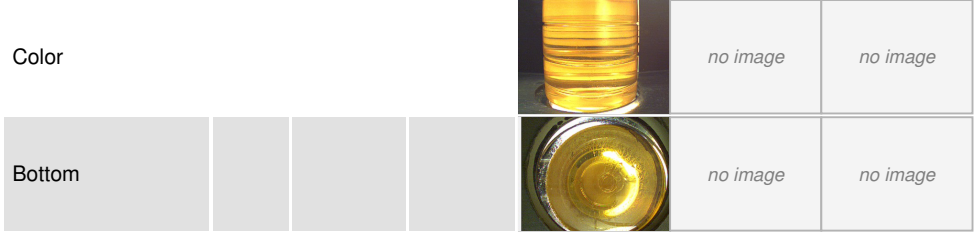
# OIL ANALYSIS REPORT



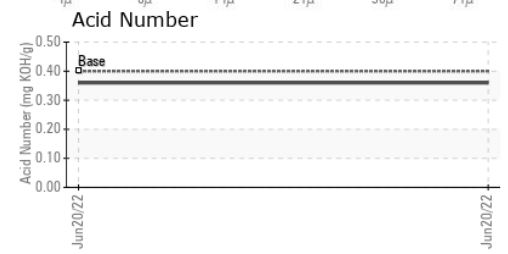
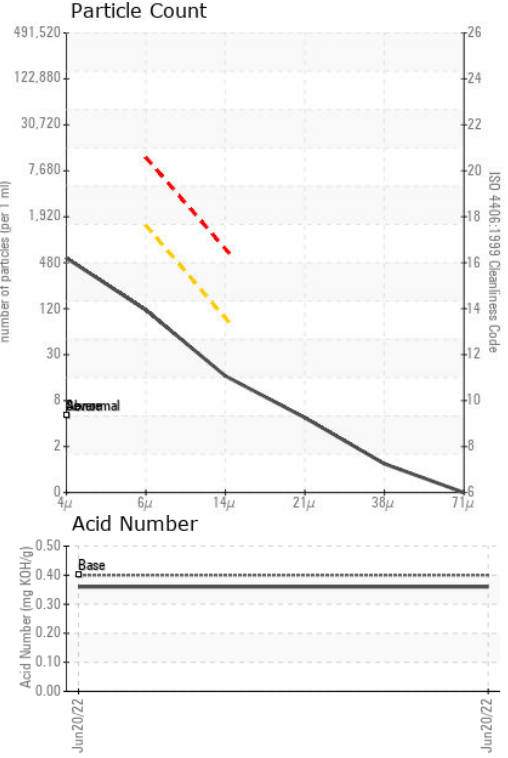
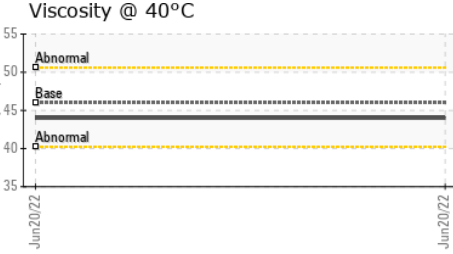
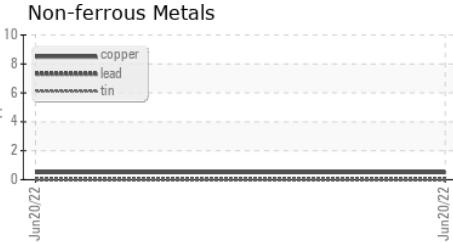
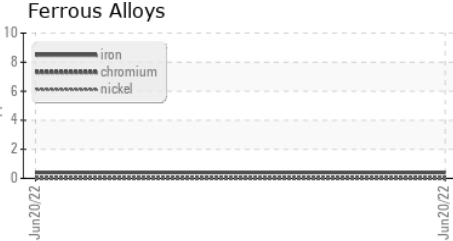
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	<b>44.0</b>	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCP51133 **Received** : 06 Jul 2022  
**Lab Number** : 05585113 **Tested** : 07 Jul 2022  
**Unique Number** : 10039539 **Diagnosed** : 07 Jul 2022 - Doug Bogart  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**AMAZON**  
 280 BRIDGEPORT BLVD  
 NEWNAN, GA  
 US 30263  
 Contact: A. RIOMATH  
 ariomath@mazon.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)