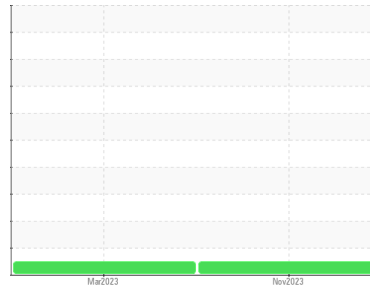




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**8372261 (S/N 1185)**

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>KC111820</b>	KC106874	---
Sample Date	Client Info	<b>23 Nov 2023</b>	23 Mar 2023	---
Machine Age	hrs Client Info	<b>9077</b>	6210	---
Oil Age	hrs Client Info	<b>4200</b>	3021	---
Oil Changed	Client Info	<b>Changed</b>	Not Changd	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	<b>0</b>	0	---
Chromium ppm ASTM D5185m	>10	<b>0</b>	0	---
Nickel ppm ASTM D5185m	>3	<b>0</b>	0	---
Titanium ppm ASTM D5185m	>3	<b>0</b>	0	---
Silver ppm ASTM D5185m	>2	<b>0</b>	0	---
Aluminum ppm ASTM D5185m	>10	<b>0</b>	0	---
Lead ppm ASTM D5185m	>10	<b>0</b>	0	---
Copper ppm ASTM D5185m	>50	<b>14</b>	5	---
Tin ppm ASTM D5185m	>10	<b>0</b>	0	---
Vanadium ppm ASTM D5185m		<b>0</b>	0	---
Cadmium ppm ASTM D5185m		<b>0</b>	0	---

## ADDITIVES

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

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<b>0</b>	0	---
Sodium ppm ASTM D5185m		<b>1</b>	<1	---
Potassium ppm ASTM D5185m	>20	<b>0</b>	0	---
Water % ASTM D6304	>0.05	<b>0.006</b>	0.010	---
ppm Water ppm ASTM D6304	>500	<b>61</b>	101.9	---

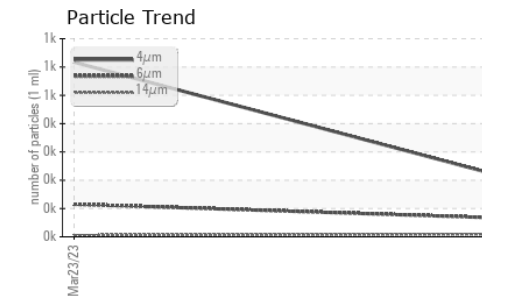
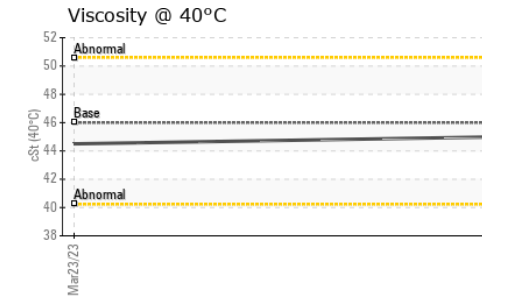
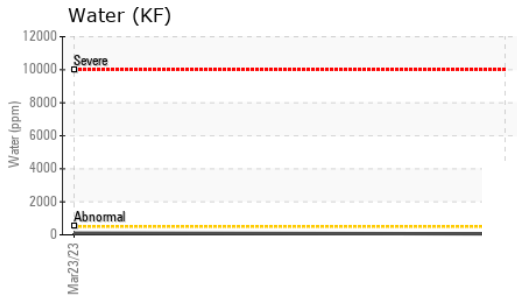
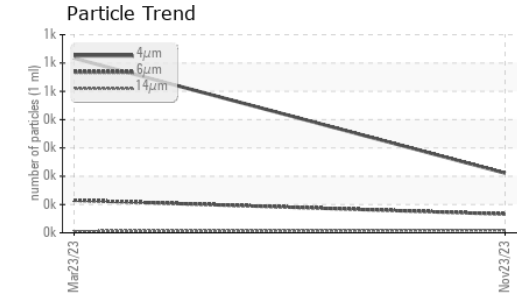
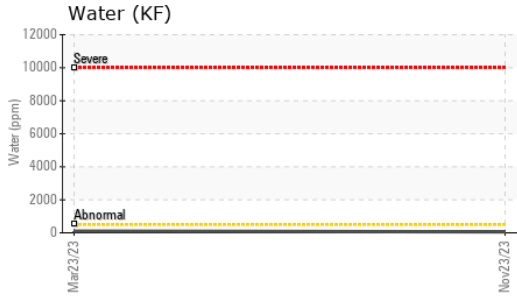
## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647		<b>211</b>	617	---
Particles >6µm ASTM D7647	>1300	<b>66</b>	115	---
Particles >14µm ASTM D7647	>80	<b>9</b>	6	---
Particles >21µm ASTM D7647	>20	<b>3</b>	2	---
Particles >38µm ASTM D7647	>4	<b>0</b>	0	---
Particles >71µm ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness ISO 4406 (c)	>--/17/13	<b>15/13/10</b>	16/14/10	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.4	<b>0.42</b>	0.39	---

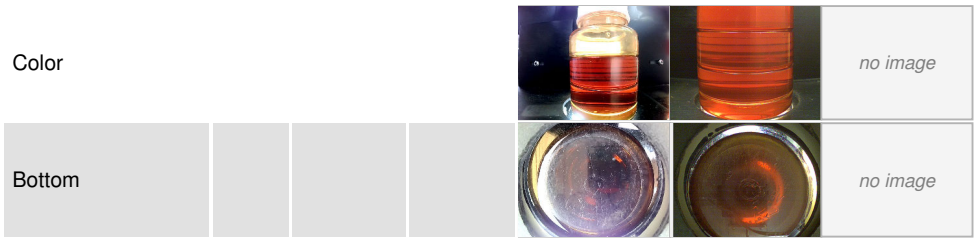
# OIL ANALYSIS REPORT



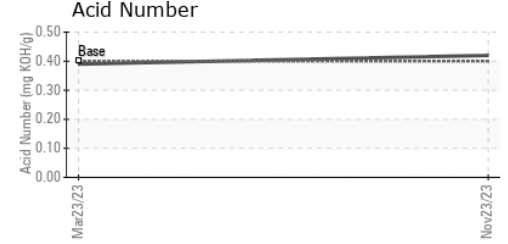
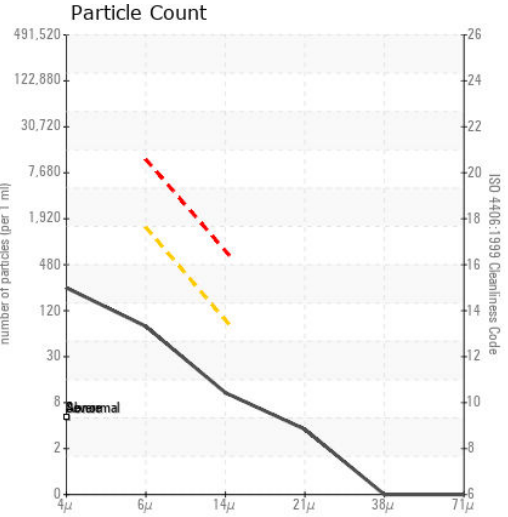
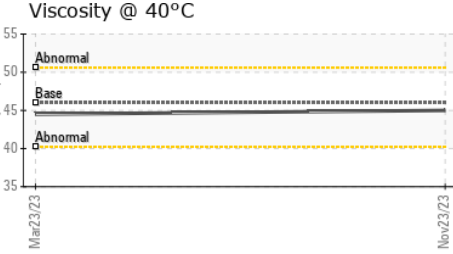
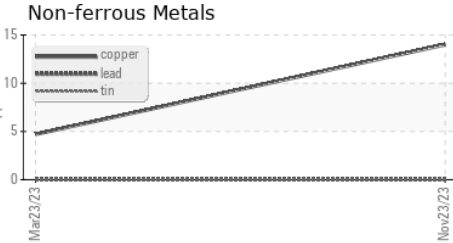
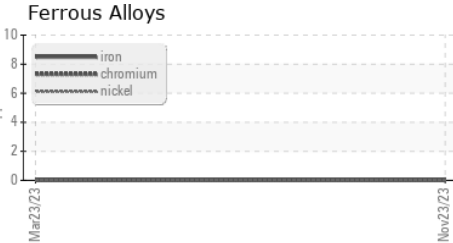
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	<b>45.0</b>	44.5	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KC111820 **Received** : 24 Nov 2023  
**Lab Number** : 06017396 **Diagnosed** : 29 Nov 2023  
**Unique Number** : 10756540 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**GLOBAL ADVANCED METALS**  
 650 COUNTY LINE RD  
 BOYERTOWN, PA  
 US 19512  
 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)

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F: