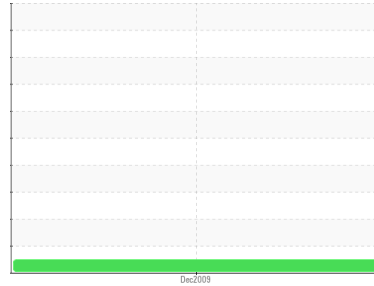




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[CORAL SPRINGS AUTO]**  
 Machine Id  
**KAESER SK 15 100975.05.1047**  
 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 component. The amount and size of particulates present in the system is acceptable.

### Fluid Condition

The condition of oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>KC02558373</b>	---	---
Sample Date	Client Info			<b>02 Dec 2009</b>	---	---
Machine Age	hrs	Client Info		<b>8965</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Chromium	ppm	ASTM D5185m		<b>0</b>	---	---
Nickel	ppm	ASTM D5185m		<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m		<b>0</b>	---	---
Copper	ppm	ASTM D5185m		<b>29</b>	---	---
Tin	ppm	ASTM D5185m		<b>0</b>	---	---
Antimony	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---

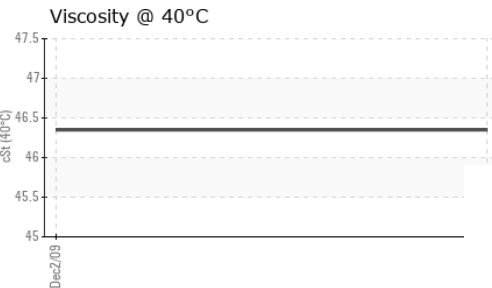
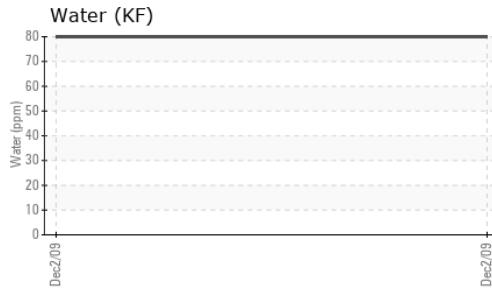
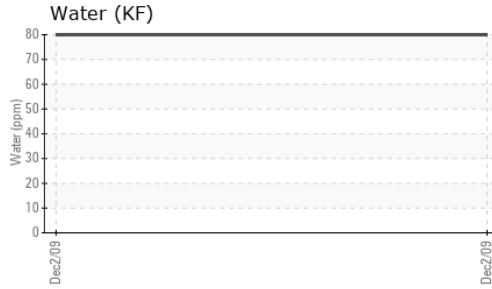
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>15</b>	---	---
Calcium	ppm	ASTM D5185m		<b>1</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>3</b>	---	---
Zinc	ppm	ASTM D5185m		<b>36</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<b>0</b>	---	---
Sodium	ppm	ASTM D5185m		<b>11</b>	---	---
Potassium	ppm	ASTM D5185m		<b>0</b>	---	---
Water	%	ASTM D6304		<b>0.008</b>	---	---
ppm Water	ppm	ASTM D6304		<b>80</b>	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		<b>320</b>	---	---
Particles >6µm		ASTM D7647		<b>174</b>	---	---
Particles >14µm		ASTM D7647		<b>29</b>	---	---
Particles >21µm		ASTM D7647		<b>10</b>	---	---
Particles >38µm		ASTM D7647		<b>1</b>	---	---
Particles >71µm		ASTM D7647		<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)		<b>15/12</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.393</b>	---	---

# OIL ANALYSIS REPORT



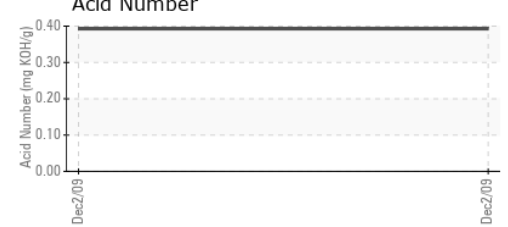
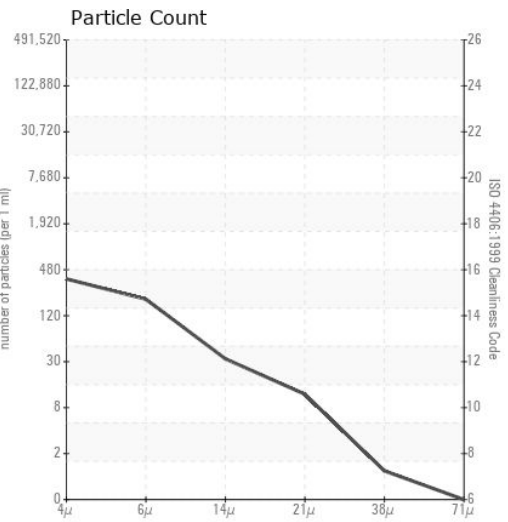
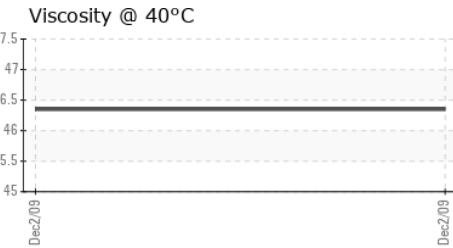
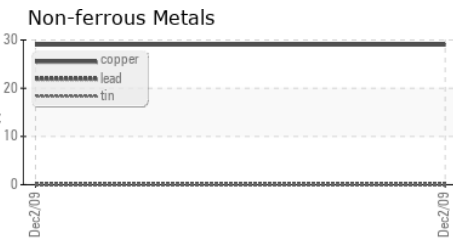
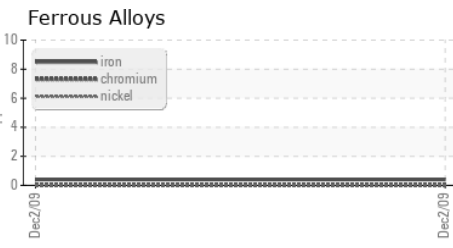
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.35	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			no image	no image	no image
Bottom			no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KC02558373 **Received** : 21 Jan 2010  
**Lab Number** : 02558373 **Diagnosed** : 22 Jan 2010  
**Unique Number** : 5078290 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**AIR COMPRESSOR WORKS**  
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 RIVIERA BEACH, FL  
 US 33404  
 Contact: SERVICE MANAGER  
 Frobinson@aircompressorworks.com  
 T: (561)844-4559  
 F:

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)