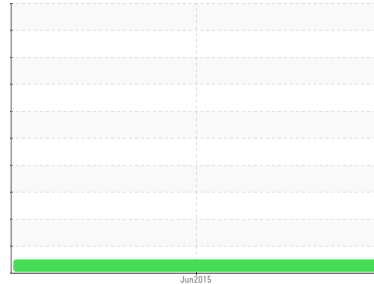




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[7193018]
 Machine Id
KAESER C-6F (S/N 752706)
 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

The amount and size of particulates present in the system is acceptable. There is no indication of any contamination in the component.

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	history 1	history 2
Sample Number	Client Info	WCI2280895	---	---
Sample Date	Client Info	23 Jun 2015	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm ASTM D5185m	>50	<1	---	---
Chromium ppm ASTM D5185m	>10	0	---	---
Nickel ppm ASTM D5185m	>3	0	---	---
Titanium ppm ASTM D5185m	>3	0	---	---
Silver ppm ASTM D5185m	>2	0	---	---
Aluminum ppm ASTM D5185m	>10	1	---	---
Lead ppm ASTM D5185m	>10	2	---	---
Copper ppm ASTM D5185m	>50	<1	---	---
Tin ppm ASTM D5185m	>10	0	---	---
Antimony ppm ASTM D5185m		0	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history 1	history 2
Boron ppm ASTM D5185m		<1	---	---
Barium ppm ASTM D5185m	90	<1	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Manganese ppm ASTM D5185m		0	---	---
Magnesium ppm ASTM D5185m	90	<1	---	---
Calcium ppm ASTM D5185m	2	0	---	---
Phosphorus ppm ASTM D5185m		56	---	---
Zinc ppm ASTM D5185m		8	---	---
Sulfur ppm ASTM D5185m		654	---	---

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm ASTM D5185m	>25	2	---	---
Sodium ppm ASTM D5185m		<1	---	---
Potassium ppm ASTM D5185m	>20	<1	---	---

FLUID CLEANLINESS

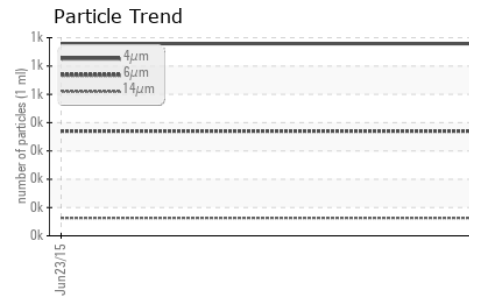
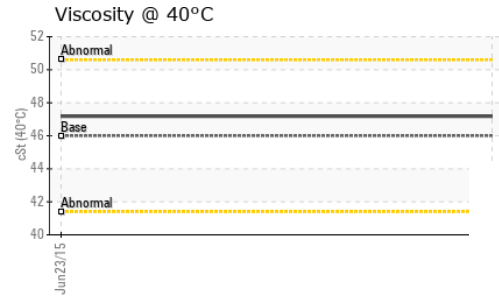
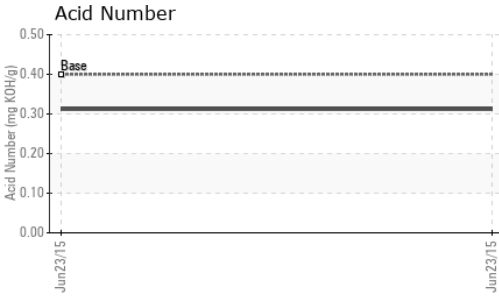
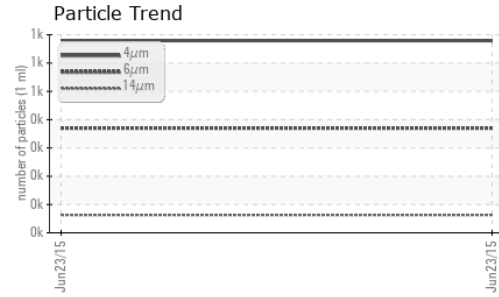
method	limit/base	current	history 1	history 2
Particles >4µm ASTM D7647		679	---	---
Particles >6µm ASTM D7647	>1300	370	---	---
Particles >14µm ASTM D7647	>80	63	---	---
Particles >21µm ASTM D7647	>20	21	---	---
Particles >38µm ASTM D7647	>4	3	---	---
Particles >71µm ASTM D7647	>3	0	---	---
Oil Cleanliness ISO 4406 (c)	>--/17/13	17/16/13	---	---

FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Acid Number (AN) mg KOH/g ASTM D8045	0.4	0.312	---	---



OIL ANALYSIS REPORT

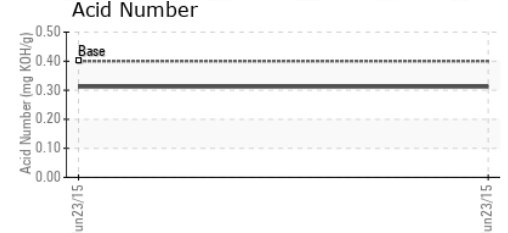
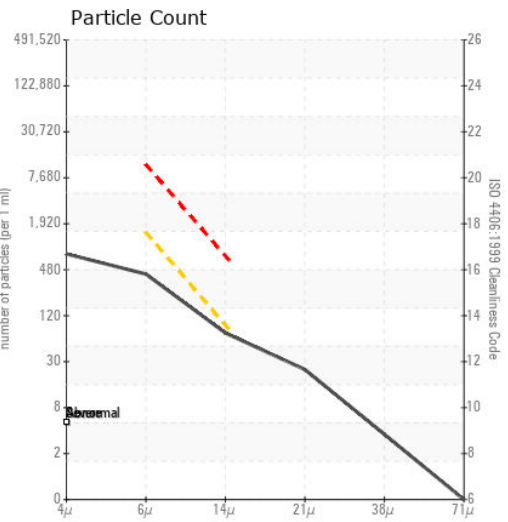
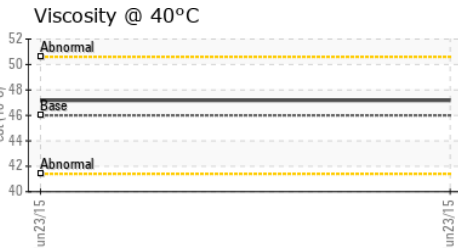
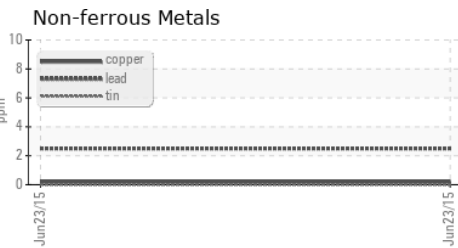
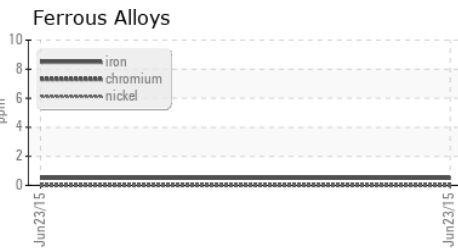


VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	VLITE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	46	47.18	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2	
Color				<i>no image</i>	<i>no image</i>	<i>no image</i>
Bottom				<i>no image</i>	<i>no image</i>	<i>no image</i>

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC12280895 **Received** : 16 Jul 2015
Lab Number : **03783379** **Diagnosed** : 20 Jul 2015
Unique Number : 7071404 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: PrtCount)

2290 CALLAHAN RD
 LONGVIEW, TX
 US 75607
 Contact: ROB WALLIN
 rwallin@westlake.com
 T: (903)242-7576
 F: (903)758-9521

Certificate L2367
 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)