



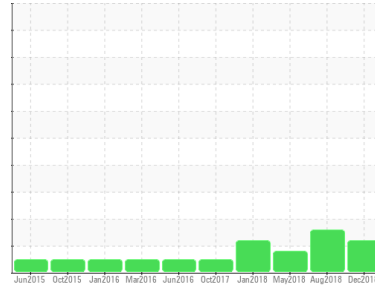
PROBLEM SUMMARY

Sample Rating Trend

ISO

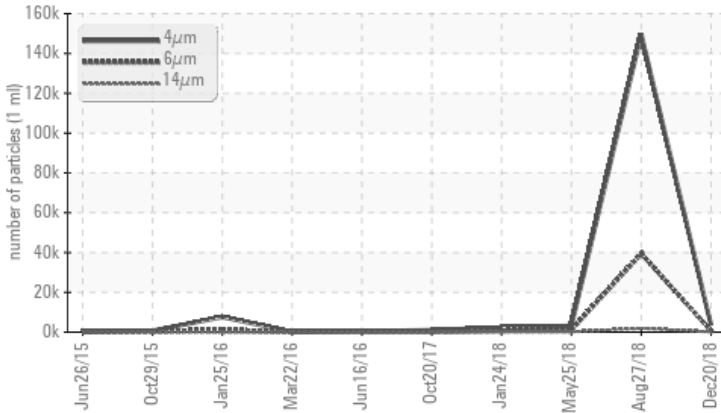


Area
[10117491]
 Machine Id
KAESER C-706 (S/N 1031)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	ABNORMAL	ATTENTION
Particles >14µm	ASTM D7647	>80	▲ 100	▲ 1858	▲ 158
Particles >21µm	ASTM D7647	>20	▲ 39	▲ 482	▲ 44
Particles >38µm	ASTM D7647	>4	▲ 5	▲ 18	0
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 19/17/14	▲ 24/22/18	▲ 19/17/14

Customer Id: WESLONWC
 Sample No.: WCI2335403
 Lab Number: 04642017
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

27 Aug 2018 Diag: Don Baldrige

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



25 May 2018 Diag: Don Baldrige

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



24 Jan 2018 Diag: Don Baldrige

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

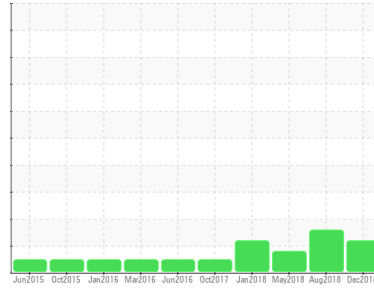
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
[10117491]
 Machine Id
KAESER C-706 (S/N 1031)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

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	WCI2335403	WCI2313842	WCI2333155
Sample Date	Client Info	20 Dec 2018	27 Aug 2018	25 May 2018
Machine Age	hrs	16820	14552	12357
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ATTENTION	ABNORMAL	ATTENTION

WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >50	1	<1	0
Chromium	ppm	ASTM D5185m >10	1	0	0
Nickel	ppm	ASTM D5185m >3	1	<1	0
Titanium	ppm	ASTM D5185m >3	1	0	0
Silver	ppm	ASTM D5185m >2	1	0	0
Aluminum	ppm	ASTM D5185m >10	1	<1	<1
Lead	ppm	ASTM D5185m >10	1	0	<1
Copper	ppm	ASTM D5185m >50	6	8	5
Tin	ppm	ASTM D5185m >10	1	0	<1
Antimony	ppm	ASTM D5185m	1	0	0
Vanadium	ppm	ASTM D5185m	1	0	0
Cadmium	ppm	ASTM D5185m	1	0	0

ADDITIVES

method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	1	0	0
Barium	ppm	ASTM D5185m 90	1	0	0
Molybdenum	ppm	ASTM D5185m	1	<1	<1
Manganese	ppm	ASTM D5185m	1	0	<1
Magnesium	ppm	ASTM D5185m 90	1	<1	0
Calcium	ppm	ASTM D5185m 2	1	<1	0
Phosphorus	ppm	ASTM D5185m	3	6	7
Zinc	ppm	ASTM D5185m	1	2	0
Sulfur	ppm	ASTM D5185m	15323	15514	4671

CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >25	1	<1	<1
Sodium	ppm	ASTM D5185m	1	<1	0
Potassium	ppm	ASTM D5185m >20	1	<1	<1

FLUID CLEANLINESS

method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	3621	149664	3165
Particles >6µm	ASTM D7647 >1300	735	▲ 39446	1228
Particles >14µm	ASTM D7647 >80	▲ 100	▲ 1858	▲ 158
Particles >21µm	ASTM D7647 >20	▲ 39	▲ 482	▲ 44
Particles >38µm	ASTM D7647 >4	▲ 5	▲ 18	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 19/17/14	▲ 24/22/18	▲ 19/17/14

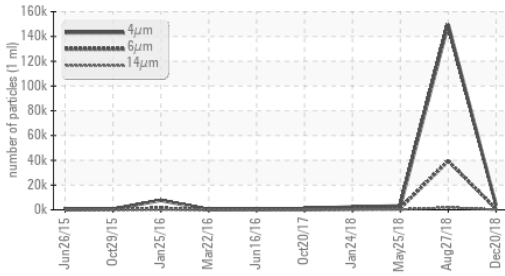
FLUID DEGRADATION

method	limit/base	current	history 1	history 2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.401	0.456	0.602

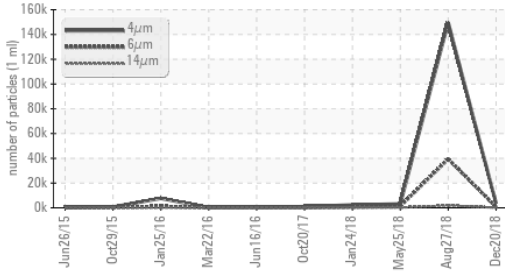


OIL ANALYSIS REPORT

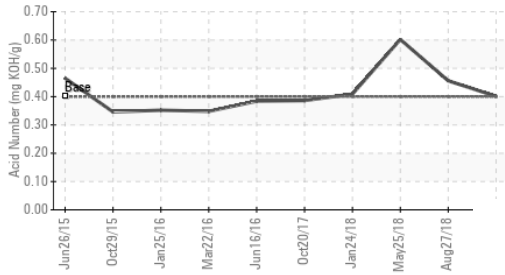
▲ Particle Trend



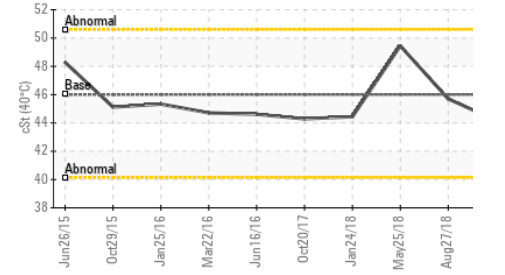
▲ Particle Trend



Acid Number



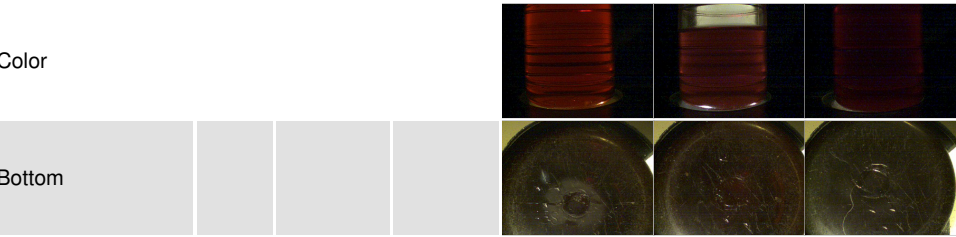
Viscosity @ 40°C



VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	VLITE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

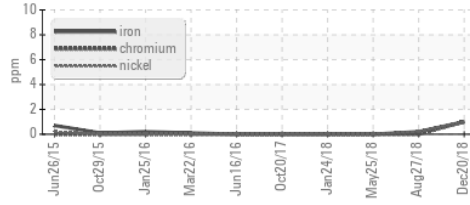
FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 46	44.17	45.7	49.44

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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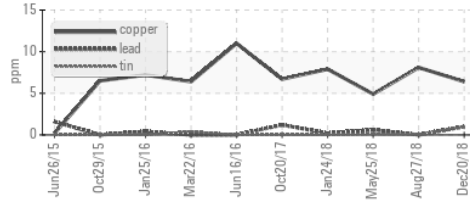


GRAPHS

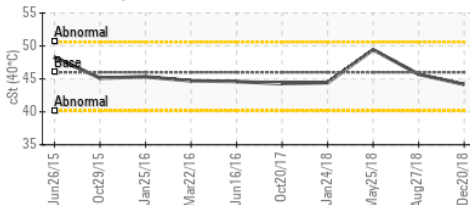
Ferrous Alloys



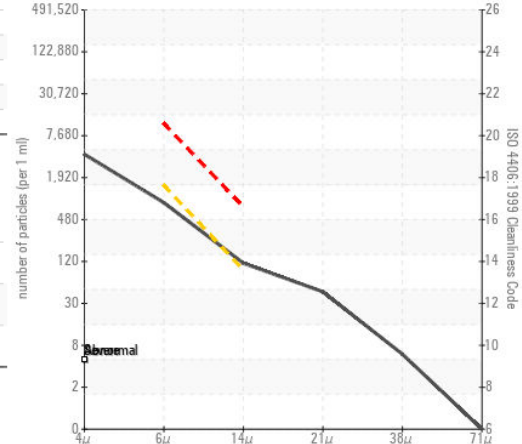
Non-ferrous Metals



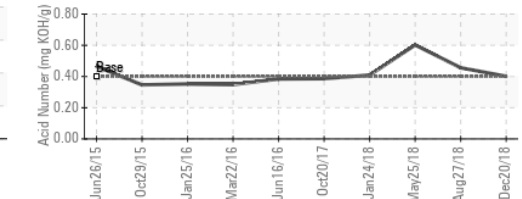
Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC12335403 Received : 01 Feb 2019
 Lab Number : 04642017 Diagnosed : 04 Feb 2019
 Unique Number : 8483453 Diagnostician : Doug Bogart
 Test Package : IND 2 (Additional Tests: PrtCount)

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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