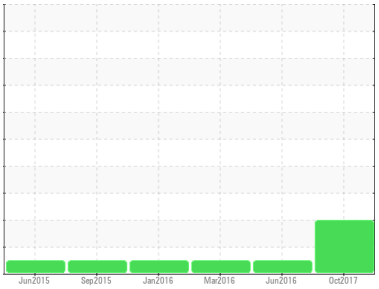
PROBLEM SUMMARY

Area
[9276391]
Machine Id
KAESER C-6F (S/N 752706)
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

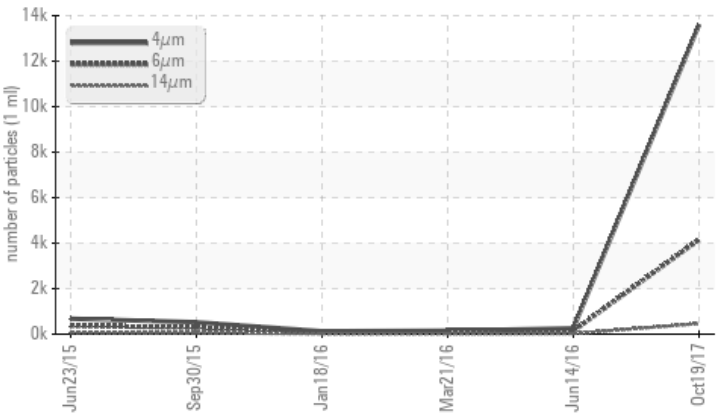
Sample Rating Trend



ISO

COMPONENT CONDITION SUMMARY

Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	NORMAL	NORMAL
Particles >6µm		ASTM D7647	>1300	▲ **4151**	139	83
Particles >14µm		ASTM D7647	>80	▲ **462**	23	14
Particles >21µm		ASTM D7647	>20	▲ **154**	8	4
Particles >38µm		ASTM D7647	>4	▲ **21**	1	0
Particles >71µm		ASTM D7647	>3	▲ **5**	0	0
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ **21/19/16**	15/14/12	14/14/11

Customer Id: WESLONWC
Sample No.: WCI2328238
Lab Number: 04355824
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	MISSED	Feb 23 2018	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

14 Jun 2016 Diag: Jonathan Hester

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

21 Mar 2016 Diag: Jonathan Hester

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

18 Jan 2016 Diag: Jonathan Hester

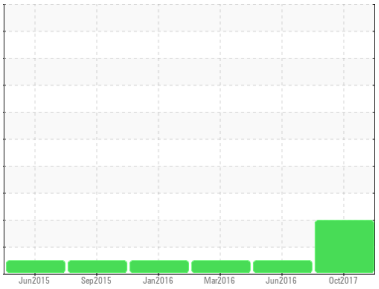
NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable. 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
[9276391]
Machine Id
KAESER C-6F (S/N 752706)
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

DIAGNOSIS

Recommendation
We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a high 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		**WCI2328238**	WCI2281999	WCI2286824
Sample Date		Client Info		**19 Oct 2017**	14 Jun 2016	21 Mar 2016
Machine Age	hrs	Client Info		**81350**	74010	72833
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	NORMAL	NORMAL

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

ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		**<1**	0	0
Barium	ppm	ASTM D5185m	90	**60**	9	4
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	90	**81**	24	22
Calcium	ppm	ASTM D5185m	2	**<1**	0	2
Phosphorus	ppm	ASTM D5185m		**<1**	33	48
Zinc	ppm	ASTM D5185m		**6**	28	28
Sulfur	ppm	ASTM D5185m		**5976**	19261	18089

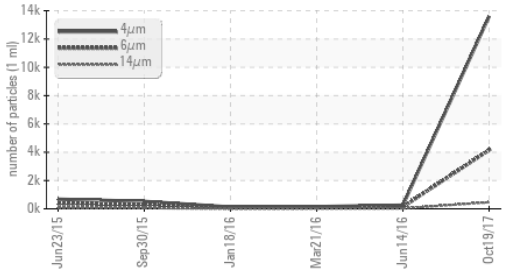
CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	**0**	<1	<1
Sodium	ppm	ASTM D5185m		**7**	8	6
Potassium	ppm	ASTM D5185m	>20	**<1**	2	4

FLUID CLEANLINESS		method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		**13601**	256	152
Particles >6µm		ASTM D7647	>1300	▲ **4151**	139	83
Particles >14µm		ASTM D7647	>80	▲ **462**	23	14
Particles >21µm		ASTM D7647	>20	▲ **154**	8	4
Particles >38µm		ASTM D7647	>4	▲ **21**	1	0
Particles >71µm		ASTM D7647	>3	▲ **5**	0	0
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ **21/19/16**	15/14/12	14/14/11

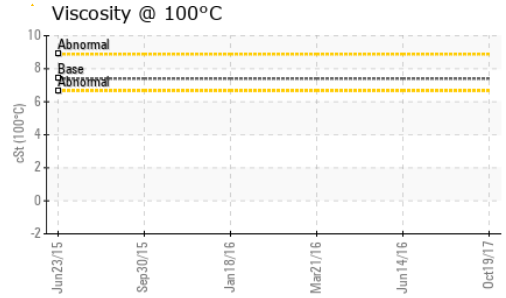
FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	**0.359**	0.391	0.413

OIL ANALYSIS REPORT

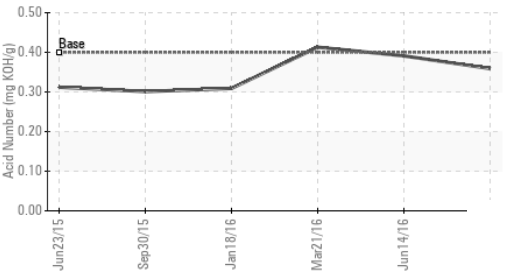
Particle Trend



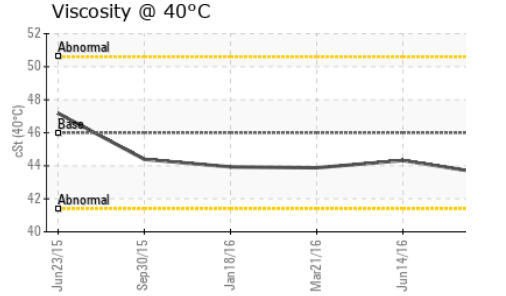
Viscosity @ 100°C



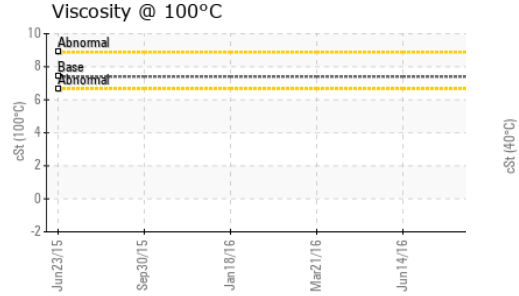
Acid Number



Viscosity @ 40°C



Viscosity @ 100°C



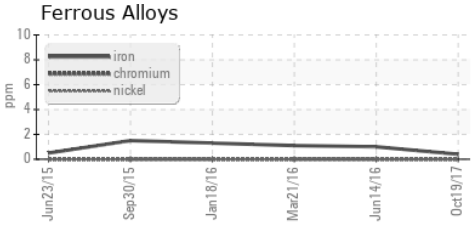
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	**LIGHT**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**LIGHT**	LIGHT	NONE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

FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46	**43.5**	44.32	43.88

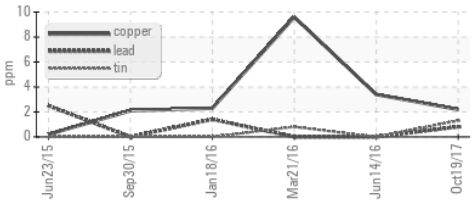
SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color					
Bottom					

GRAPHS

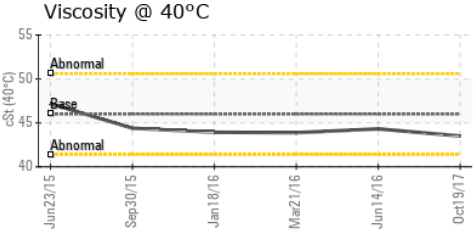
Ferrous Alloys



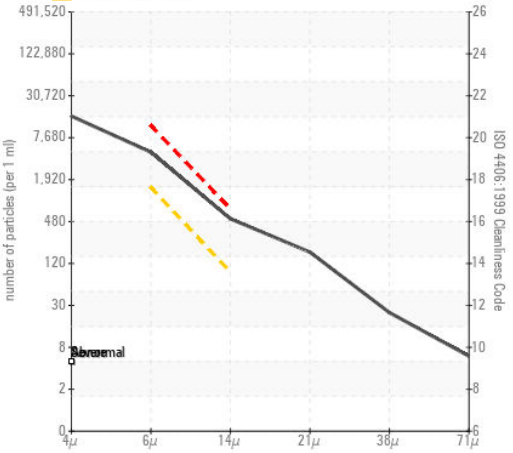
Non-ferrous Metals



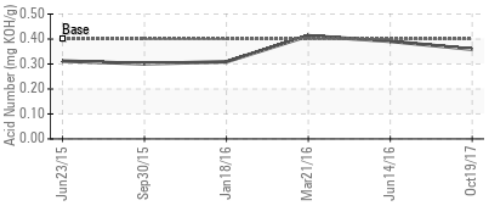
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCI2328238 **Received** : 27 Nov 2017
Lab Number : 04355824 **Diagnosed** : 29 Nov 2017
Unique Number : 8014449 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: KV100, PrtCount, VI)

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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