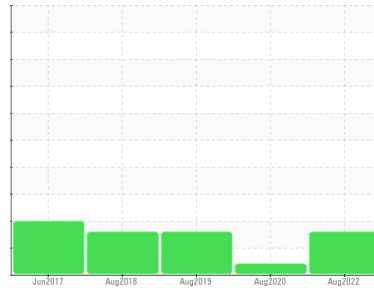


PROBLEM SUMMARY

Sample Rating Trend



ISO



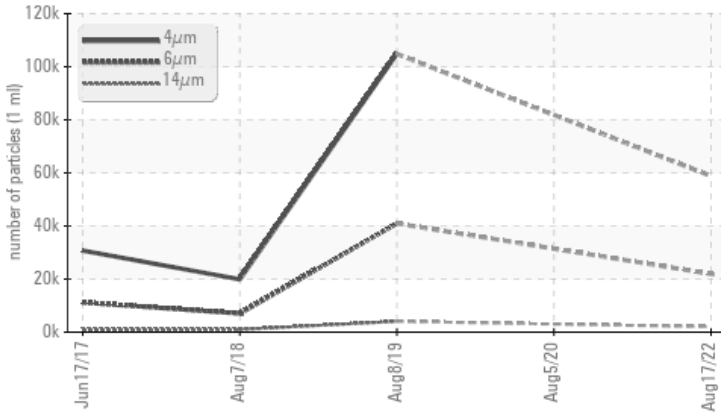
Machine Id
KAESER SK26 1387246 (S/N 1023)

Component
Compressor

Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ASTM D7647	ISO 4406 (c)	ABNORMAL	ABNORMAL	ABNORMAL
Particles >6µm	>1300	▲ 21929	---	▲ 40948	
Particles >14µm	>80	▲ 2000	---	▲ 4050	
Particles >21µm	>20	▲ 283	---	▲ 1046	
Oil Cleanliness	>--/17/13	▲ 23/22/18	---	▲ 23/19	

Customer Id: LUTALL
Sample No.: KC104868
Lab Number: 05636500
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

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

05 Aug 2020 Diag: Jonathan Hester

VIS DEBRIS



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



08 Aug 2019 Diag: Doug Bogart

ISO



No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. 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 acceptable for the time in service.

view report



07 Aug 2018 Diag: Jonathan Hester

ISO



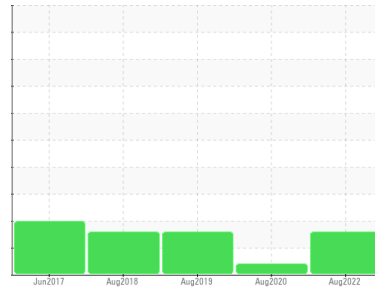
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Machine Id
KAESER SK26 1387246 (S/N 1023)

Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)



DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. 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 acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number		KC104868	KC75652	KC73822
Sample Date		17 Aug 2022	05 Aug 2020	08 Aug 2019
Machine Age	hrs	65713	60963	58168
Oil Age	hrs	2613	2795	110
Oil Changed		Changed	Changed	Changed
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m >50	0	<1	<1
Chromium	ppm ASTM D5185m >10	0	0	0
Nickel	ppm ASTM D5185m >3	0	<1	0
Titanium	ppm ASTM D5185m >3	0	0	0
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >10	<1	<1	<1
Lead	ppm ASTM D5185m >10	0	1	0
Copper	ppm ASTM D5185m >50	<1	2	<1
Tin	ppm ASTM D5185m >10	0	<1	0
Antimony	ppm ASTM D5185m	---	1	<1
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	0	13	<1
Barium	ppm ASTM D5185m 90	53	7	20
Molybdenum	ppm ASTM D5185m	0	0	0
Manganese	ppm ASTM D5185m	0	0	<1
Magnesium	ppm ASTM D5185m 90	79	0	81
Calcium	ppm ASTM D5185m 2	2	2	2
Phosphorus	ppm ASTM D5185m	<1	2	3
Zinc	ppm ASTM D5185m	0	3	6

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m >25	0	4	0
Sodium	ppm ASTM D5185m	13	14	14
Potassium	ppm ASTM D5185m >20	0	3	2
Water	% ASTM D6304 >0.05	0.034	0.024	0.027
ppm Water	ppm ASTM D6304 >500	347.5	243.9	276.4

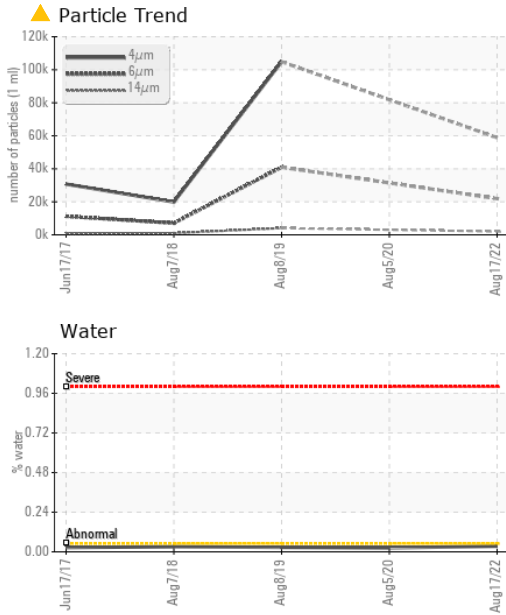
FLUID CLEANLINESS

method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	58840	---	104837
Particles >6µm	ASTM D7647 >1300	▲ 21929	---	▲ 40948
Particles >14µm	ASTM D7647 >80	▲ 2000	---	▲ 4050
Particles >21µm	ASTM D7647 >20	▲ 283	---	▲ 1046
Particles >38µm	ASTM D7647 >4	9	---	▲ 49
Particles >71µm	ASTM D7647 >3	0	---	1
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 23/22/18	---	▲ 23/19

FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045 0.4	0.38	0.374	0.376

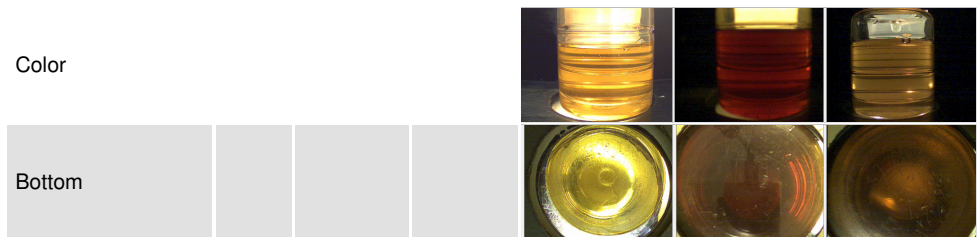
OIL ANALYSIS REPORT



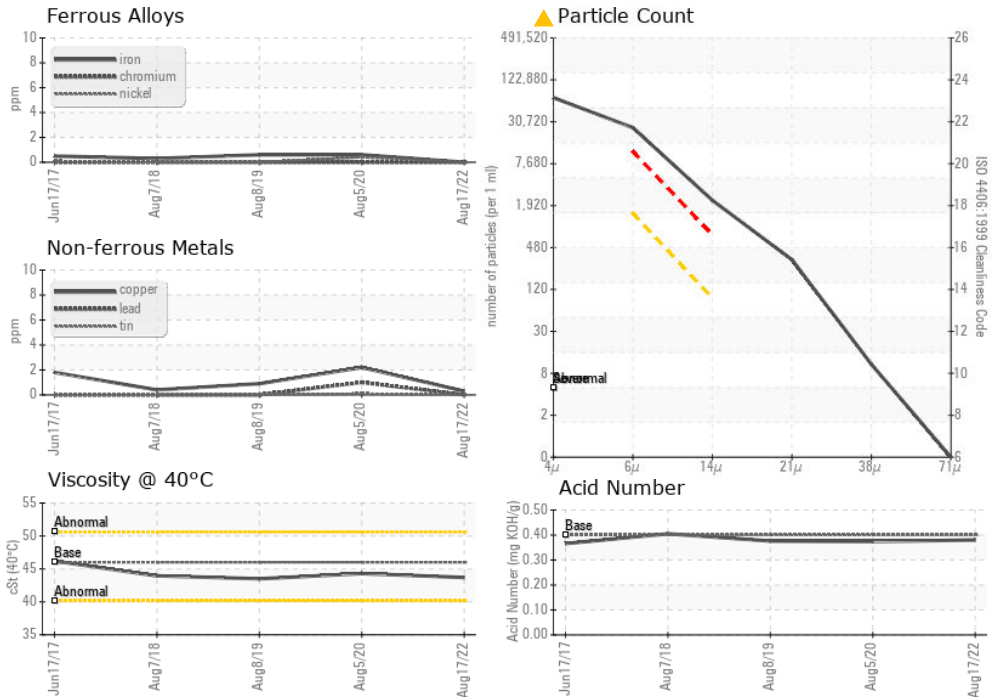
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	VLITE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	43.7	44.3

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC104868
Lab Number : 05636500
Unique Number : 10126030
Test Package : IND 2

LUTRON
 6560 STONEGATE DR
 ALLENTOWN, PA
 USA 18106
 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)

T:
F: