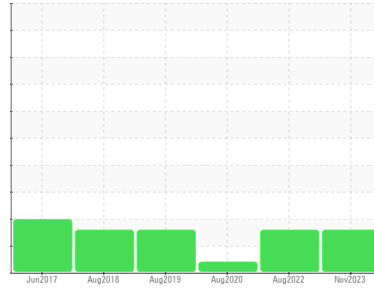




PROBLEM SUMMARY

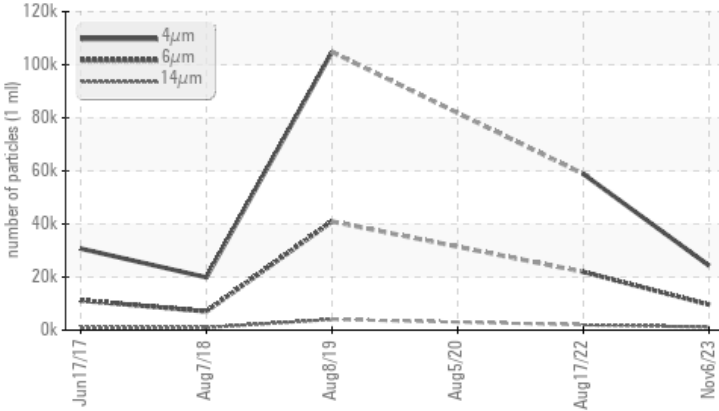
Sample Rating Trend



Machine Id
KAESER SK26 1387246 (S/N 1023)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >6µm	ASTM D7647	>1300	▲ 9588	▲ 21929	---
Particles >14µm	ASTM D7647	>80	▲ 1125	▲ 2000	---
Particles >21µm	ASTM D7647	>20	▲ 287	▲ 283	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/20/17	▲ 23/22/18	---

Customer Id: LUTALL
 Sample No.: KC125999
 Lab Number: 06000536
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@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

17 Aug 2022 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



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



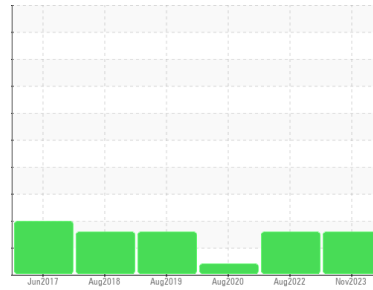
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
KAESER SK26 1387246 (S/N 1023)

Component

Compressor

Fluid

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

DIAGNOSIS

▲ Recommendation

The 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 suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KC125999	KC104868	KC75652
Sample Date	Client Info		06 Nov 2023	17 Aug 2022	05 Aug 2020
Machine Age	hrs	Client Info	68174	65713	60963
Oil Age	hrs	Client Info	0	2613	2795
Oil Changed	Client Info		N/A	Changed	Changed
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	0	<1
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m >3	<1	0	<1
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	<1	0	1
Copper	ppm	ASTM D5185m >50	<1	<1	2
Tin	ppm	ASTM D5185m >10	0	0	<1
Antimony	ppm	ASTM D5185m	---	---	1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	13
Barium	ppm	ASTM D5185m 90	59	53	7
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m 90	92	79	0
Calcium	ppm	ASTM D5185m 2	5	2	2
Phosphorus	ppm	ASTM D5185m	2	<1	2
Zinc	ppm	ASTM D5185m	0	0	3

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	0	4
Sodium	ppm	ASTM D5185m	18	13	14
Potassium	ppm	ASTM D5185m >20	3	0	3
Water	%	ASTM D6304 >0.05	0.022	0.034	0.024
ppm Water	ppm	ASTM D6304 >500	225.7	347.5	243.9

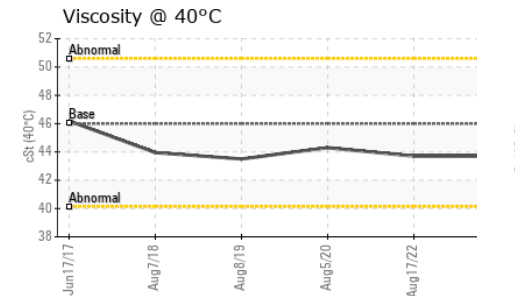
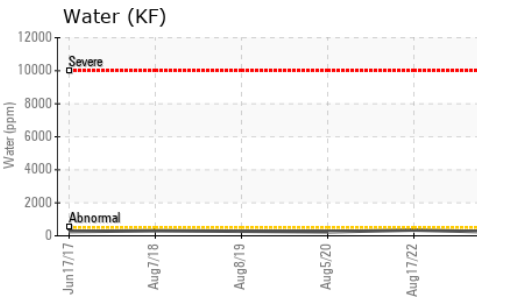
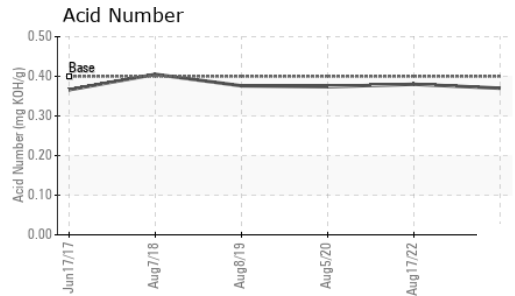
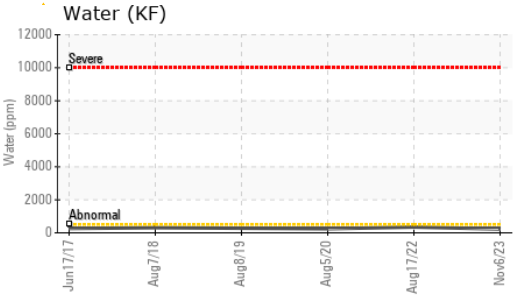
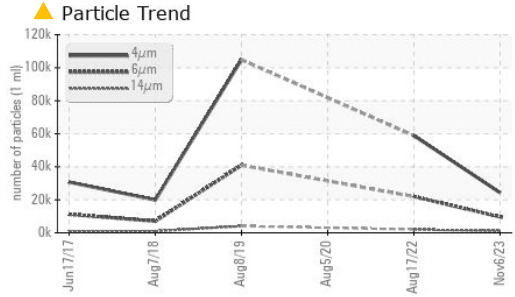
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		24307	58840	---
Particles >6µm	ASTM D7647 >1300		▲ 9588	▲ 21929	---
Particles >14µm	ASTM D7647 >80		▲ 1125	▲ 2000	---
Particles >21µm	ASTM D7647 >20		▲ 287	▲ 283	---
Particles >38µm	ASTM D7647 >4		9	9	---
Particles >71µm	ASTM D7647 >3		0	0	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/20/17	▲ 23/22/18	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.37	0.38	0.374

OIL ANALYSIS REPORT

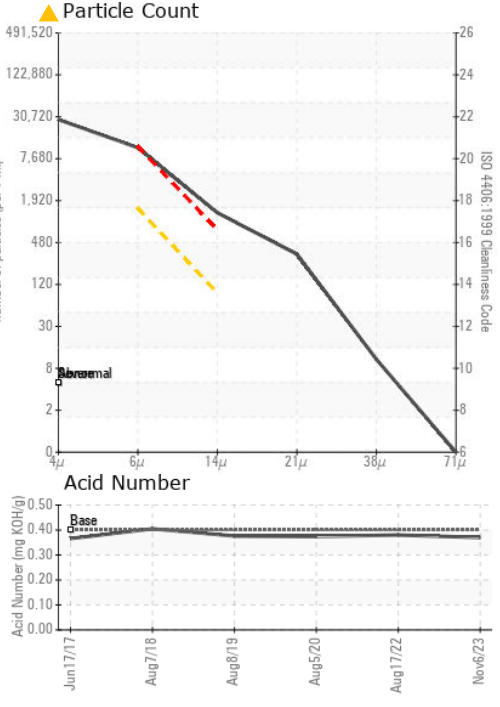
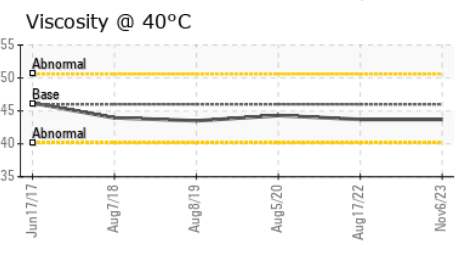
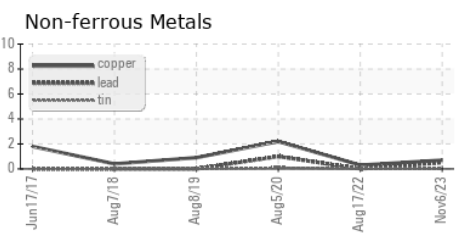
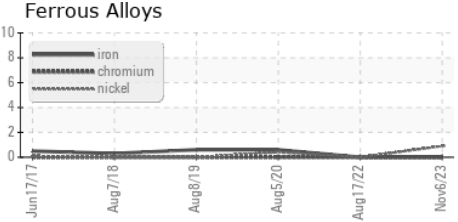


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	43.7	44.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC125999 **Received** : 07 Nov 2023
Lab Number : 06000536 **Diagnosed** : 09 Nov 2023
Unique Number : 10728896 **Diagnostician** : Jonathan Hester
Test Package : IND 2

LUTRON
 6560 STONEGATE DR
 ALLENTOWN, PA
 US 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:
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