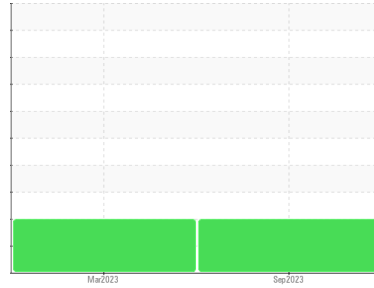




PROBLEM SUMMARY

Sample Rating Trend



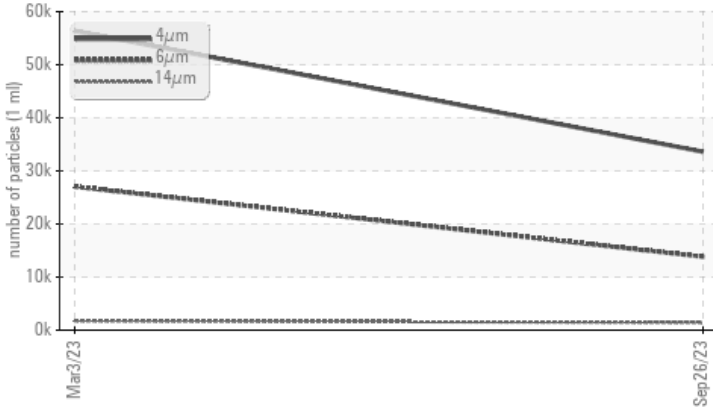
ISO



Machine Id
KAESER AS20 8500088 (S/N 1406)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time. 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	---
Particles >6µm	ASTM D7647	>1300	▲ 13823	▲ 27025	---
Particles >14µm	ASTM D7647	>80	▲ 1426	▲ 1740	---
Particles >21µm	ASTM D7647	>20	▲ 366	▲ 248	---
Particles >38µm	ASTM D7647	>4	▲ 14	▲ 11	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/21/18	▲ 23/22/18	---

Customer Id: KISBET
 Sample No.: KC124291
 Lab Number: 05966322
 Test Package: IND 2



To manage this report scan the QR code

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

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

03 Mar 2023 Diag: Don Baldrige

ISO



Oil and filter change at the time of sampling has been noted. 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 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.

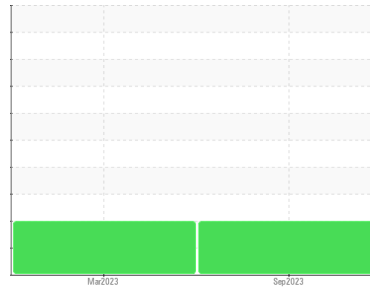
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
KAESER AS20 8500088 (S/N 1406)

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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		KC124291	KC104083	---
Sample Date	Client Info		26 Sep 2023	03 Mar 2023	---
Machine Age	hrs	Client Info	3819	2307	---
Oil Age	hrs	Client Info	0	2307	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	0	---
Chromium	ppm	ASTM D5185m >10	0	0	---
Nickel	ppm	ASTM D5185m >3	0	0	---
Titanium	ppm	ASTM D5185m >3	0	0	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >10	0	<1	---
Lead	ppm	ASTM D5185m >10	1	0	---
Copper	ppm	ASTM D5185m >50	2	2	---
Tin	ppm	ASTM D5185m >10	0	0	---
Vanadium	ppm	ASTM D5185m	0	<1	---
Cadmium	ppm	ASTM D5185m	0	0	---

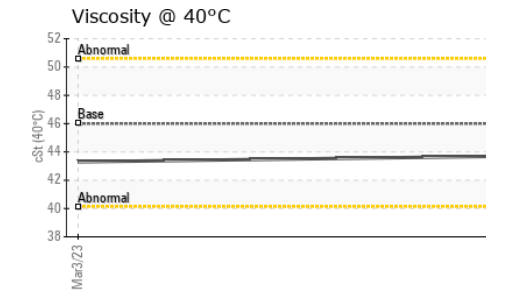
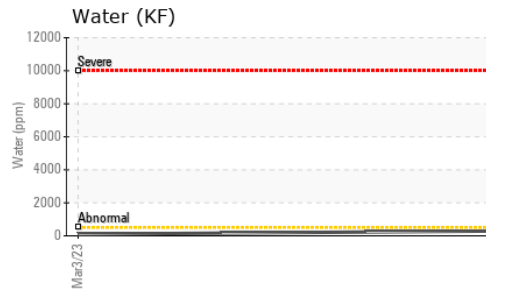
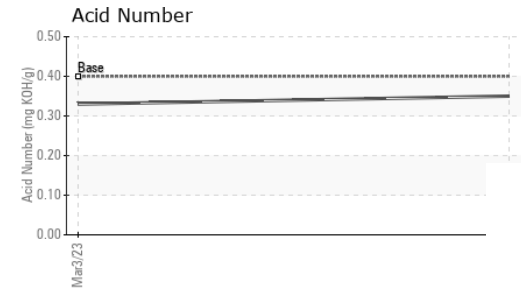
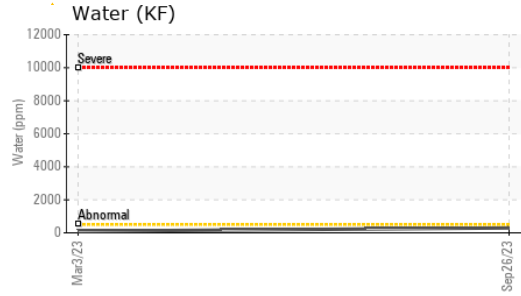
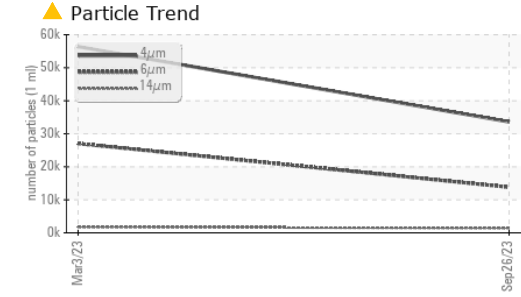
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m 90	44	16	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m 90	82	88	---
Calcium	ppm	ASTM D5185m 2	22	3	---
Phosphorus	ppm	ASTM D5185m	<1	5	---
Zinc	ppm	ASTM D5185m	<1	6	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	1	1	---
Sodium	ppm	ASTM D5185m	8	19	---
Potassium	ppm	ASTM D5185m >20	5	16	---
Water	%	ASTM D6304 >0.05	0.029	0.009	---
ppm Water	ppm	ASTM D6304 >500	296.8	98.8	---

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		33604	56387	---
Particles >6µm	ASTM D7647 >1300		▲ 13823	▲ 27025	---
Particles >14µm	ASTM D7647 >80		▲ 1426	▲ 1740	---
Particles >21µm	ASTM D7647 >20		▲ 366	▲ 248	---
Particles >38µm	ASTM D7647 >4		▲ 14	▲ 11	---
Particles >71µm	ASTM D7647 >3		1	1	---
Oil Cleanliness	ISO 4406 (c) >--/17/13		▲ 22/21/18	▲ 23/22/18	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.35	0.33	---

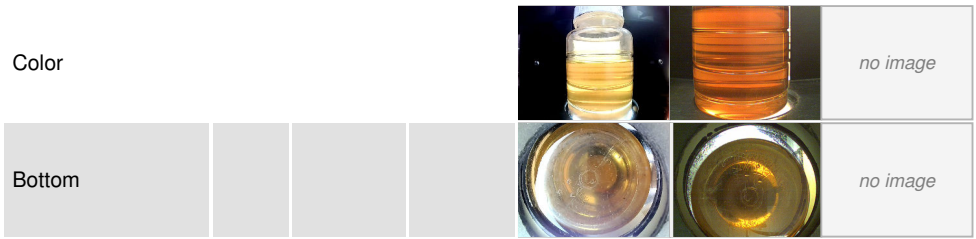
OIL ANALYSIS REPORT



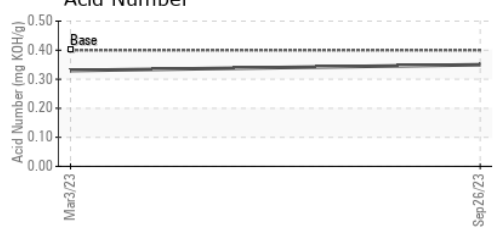
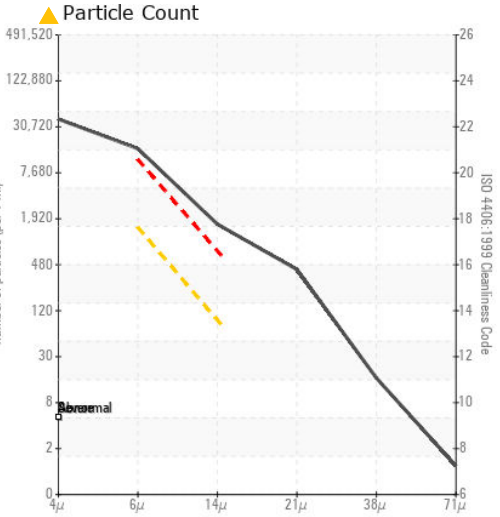
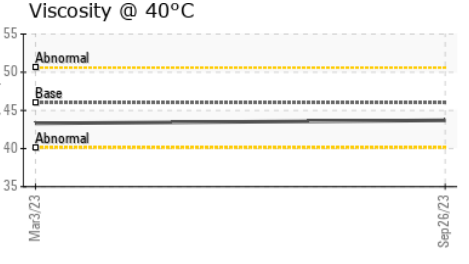
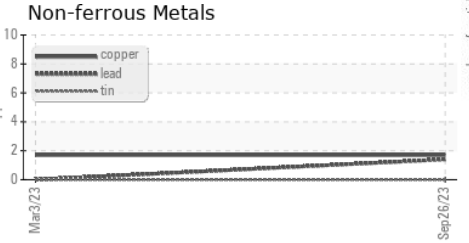
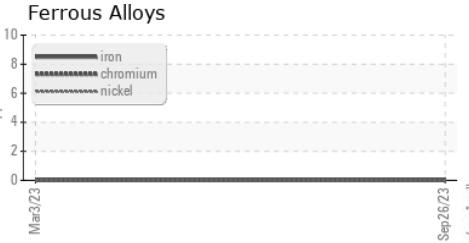
PARAMETER	VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	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	---

PARAMETER	FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	43.7	43.3	---

PARAMETER	SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC124291 **Received** : 02 Oct 2023
Lab Number : 05966322 **Diagnosed** : 03 Oct 2023
Unique Number : 10672873 **Diagnostician** : Don Baldrige
Test Package : IND 2

KISTLER O'BRIEN FIVE PROTECTION
 2210 CITY LINE RD
 BETHLEHEM, PA
 US 18017
 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)