



PROBLEM SUMMARY

Sample Rating Trend

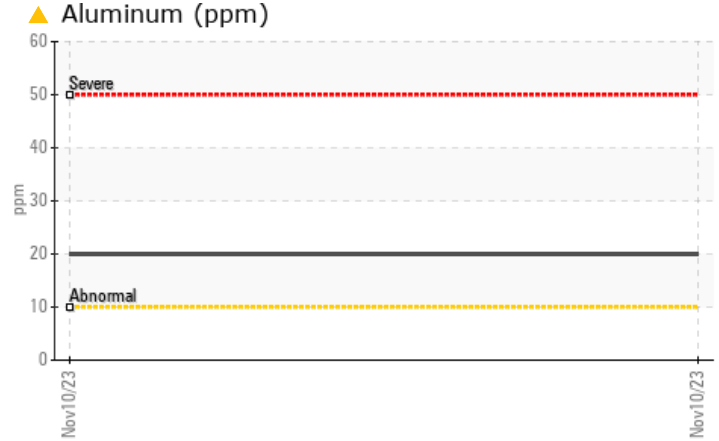
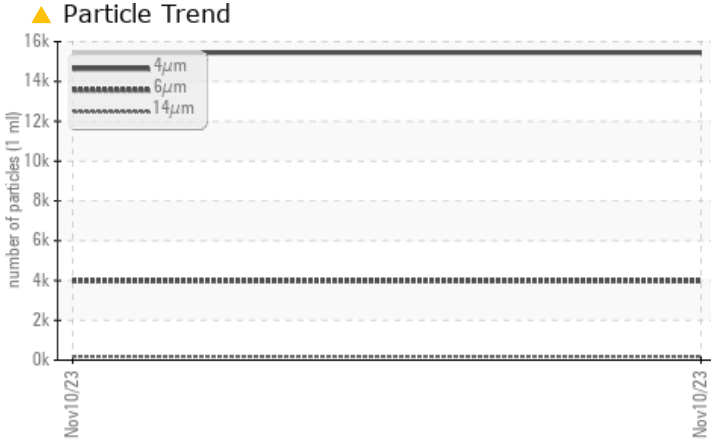


WEAR



Machine Id
KAESER 100927.00001 (S/N 1279)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- QTS)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Aluminum	ppm	ASTM D5185m	>10	▲ 20	---	---
Particles >6µm		ASTM D7647	>1300	▲ 3978	---	---
Particles >14µm		ASTM D7647	>80	▲ 179	---	---
Particles >21µm		ASTM D7647	>20	▲ 45	---	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ 21/19/15	---	---

Customer Id: INTMILMI
 Sample No.: KC06013378
 Lab Number: 06013378
 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

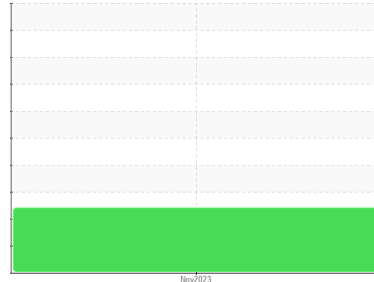
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
KAESER 100927.00001 (S/N 1279)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- QTS)

DIAGNOSIS

▲ Recommendation

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

▲ Wear

The copper level is abnormal. All other 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		KC06013378	---	---
Sample Date	Client Info		10 Nov 2023	---	---
Machine Age	Client Info		35471	---	---
Oil Age	Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>50	1	---	---
Chromium	ppm ASTM D5185m	>10	0	---	---
Nickel	ppm ASTM D5185m	>3	<1	---	---
Titanium	ppm ASTM D5185m	>3	0	---	---
Silver	ppm ASTM D5185m	>2	0	---	---
Aluminum	ppm ASTM D5185m	>10	▲ 20	---	---
Lead	ppm ASTM D5185m	>10	0	---	---
Copper	ppm ASTM D5185m	>50	10	---	---
Tin	ppm ASTM D5185m	>10	<1	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	0	---	---
Barium	ppm ASTM D5185m	90	<1	---	---
Molybdenum	ppm ASTM D5185m	0	0	---	---
Manganese	ppm ASTM D5185m		0	---	---
Magnesium	ppm ASTM D5185m	100	1	---	---
Calcium	ppm ASTM D5185m	0	1	---	---
Phosphorus	ppm ASTM D5185m	0	344	---	---
Zinc	ppm ASTM D5185m	0	129	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	2	---	---
Sodium	ppm ASTM D5185m		3	---	---
Potassium	ppm ASTM D5185m	>20	0	---	---
Water	% ASTM D6304	>0.05	0.012	---	---
ppm Water	ppm ASTM D6304	>500	126.2	---	---

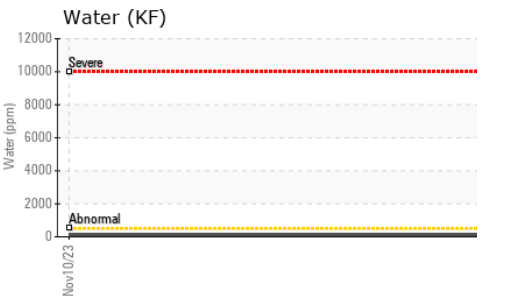
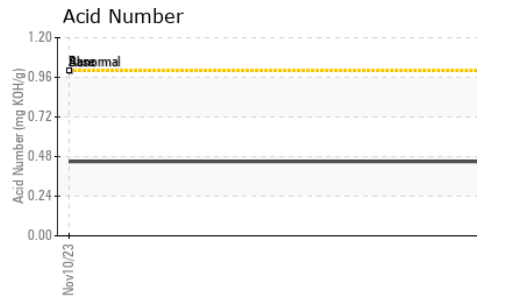
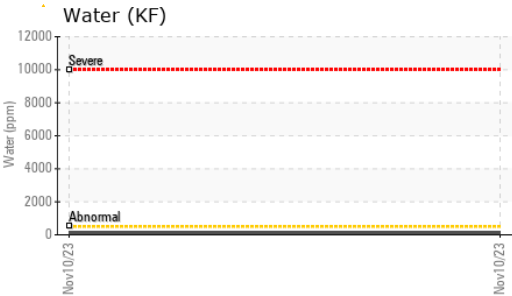
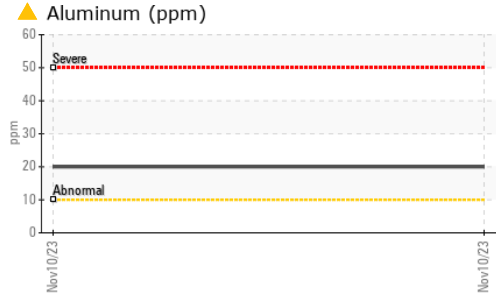
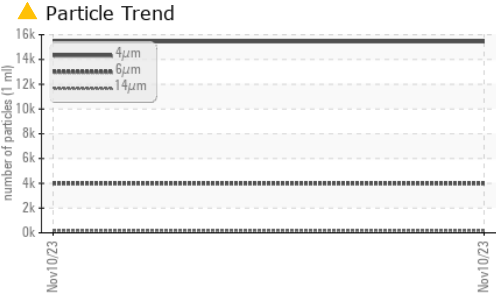
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		15442	---	---
Particles >6µm	ASTM D7647	>1300	▲ 3978	---	---
Particles >14µm	ASTM D7647	>80	▲ 179	---	---
Particles >21µm	ASTM D7647	>20	▲ 45	---	---
Particles >38µm	ASTM D7647	>4	2	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 21/19/15	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	1.0	0.45	---	---

OIL ANALYSIS REPORT



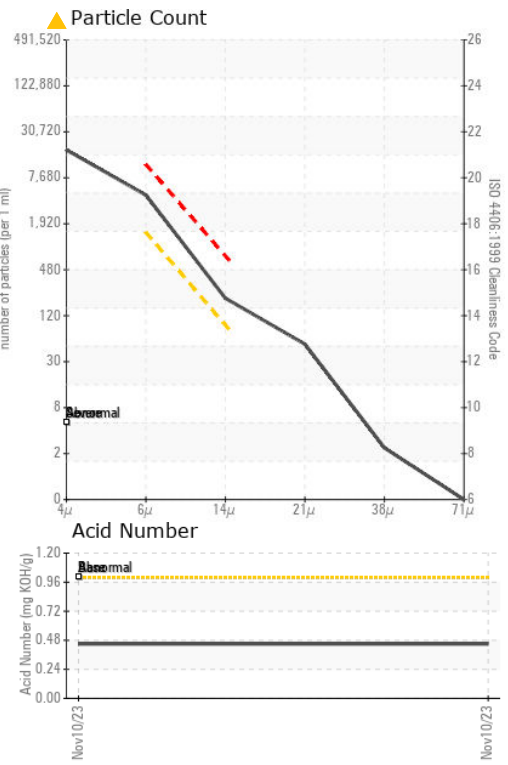
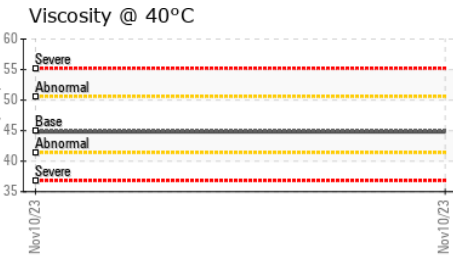
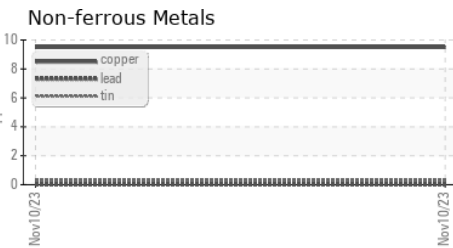
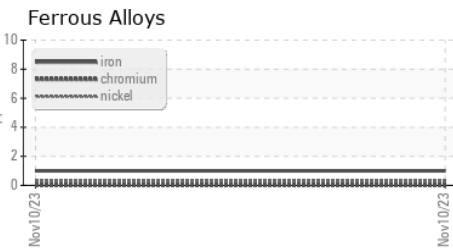
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	45	44.8	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC06013378 **Received** : 20 Nov 2023
Lab Number : 06013378 **Diagnosed** : 22 Nov 2023
Unique Number : 10752522 **Diagnostician** : Don Baldrige
Test Package : IND 2

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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)