



PROBLEM SUMMARY

Sample Rating Trend



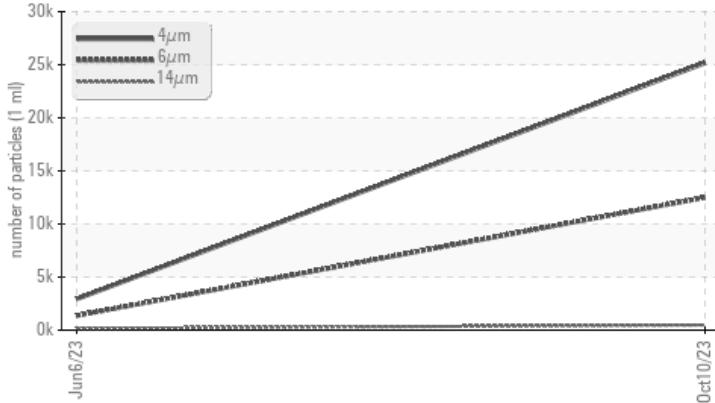
ISO



Machine Id
KAESER SK 15T 8687556 (S/N 1513)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ATTENTION	---
Particles >6µm	ASTM D7647	>1300	▲ 12500	▲ 1364	---
Particles >14µm	ASTM D7647	>80	▲ 481	▲ 160	---
Particles >21µm	ASTM D7647	>20	▲ 56	▲ 42	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/21/16	▲ 19/18/14	---

Customer Id: SAWORL
 Sample No.: KC107041
 Lab Number: 05980425
 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

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

06 Jun 2023 Diag: Jonathan Hester

ISO



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. All component wear rates are normal. There is a moderate 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.

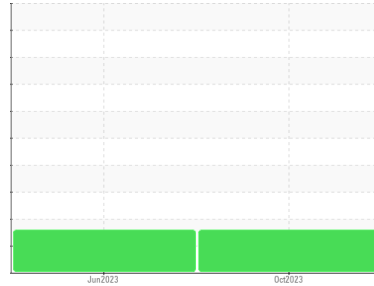
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
KAESER SK 15T 8687556 (S/N 1513)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- QTS)

DIAGNOSIS

Recommendation

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.

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			KC107041	KC100939	---
Sample Date	Client Info			10 Oct 2023	06 Jun 2023	---
Machine Age	hrs	Client Info		3454	2169	---
Oil Age	hrs	Client Info		3454	2169	---
Oil Changed	Client Info			Changed	Not Changd	---
Sample Status				ABNORMAL	ATTENTION	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>3	<1	0	---
Titanium	ppm	ASTM D5185m	>3	0	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>10	<1	0	---
Lead	ppm	ASTM D5185m	>10	0	0	---
Copper	ppm	ASTM D5185m	>50	10	8	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

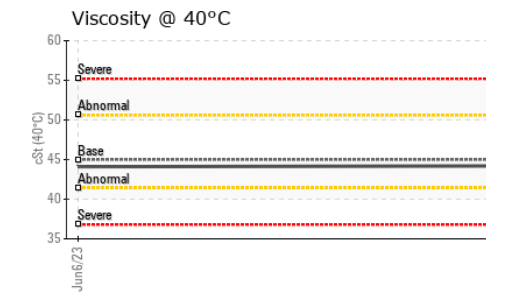
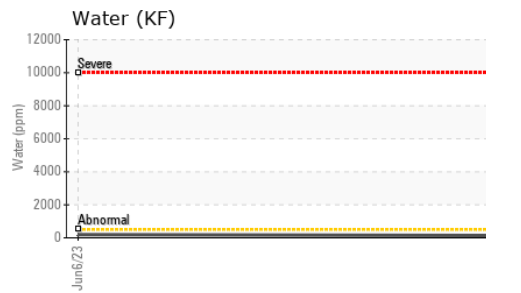
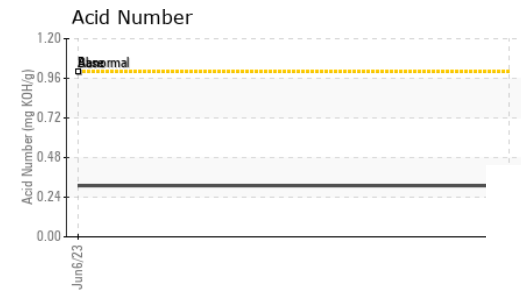
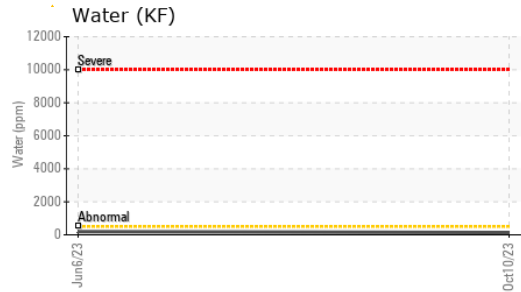
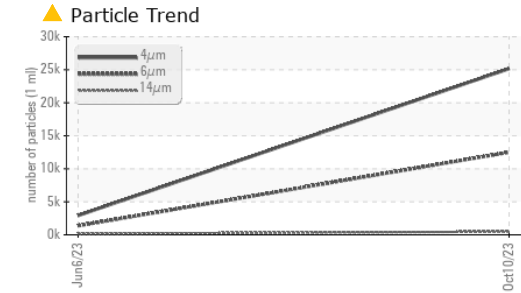
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	---
Barium	ppm	ASTM D5185m	90	0	3	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	100	20	47	---
Calcium	ppm	ASTM D5185m	0	1	2	---
Phosphorus	ppm	ASTM D5185m	0	<1	5	---
Zinc	ppm	ASTM D5185m	0	23	17	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	---
Sodium	ppm	ASTM D5185m		2	8	---
Potassium	ppm	ASTM D5185m	>20	6	14	---
Water	%	ASTM D6304	>0.05	0.013	0.019	---
ppm Water	ppm	ASTM D6304	>500	138.7	193.0	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		25166	2925	---
Particles >6µm		ASTM D7647	>1300	▲ 12500	▲ 1364	---
Particles >14µm		ASTM D7647	>80	▲ 481	▲ 160	---
Particles >21µm		ASTM D7647	>20	▲ 56	▲ 42	---
Particles >38µm		ASTM D7647	>4	2	4	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ 22/21/16	▲ 19/18/14	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.31	0.31	---

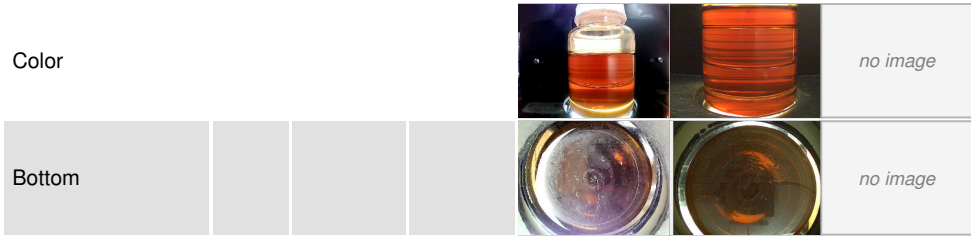
OIL ANALYSIS REPORT



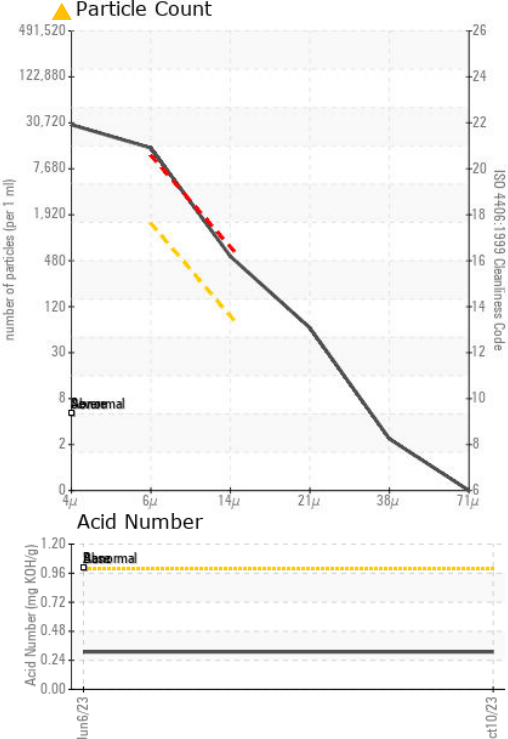
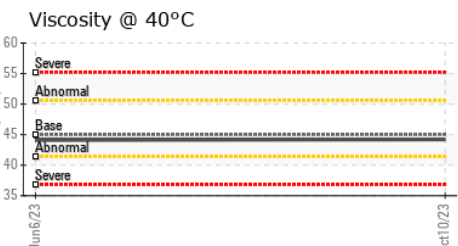
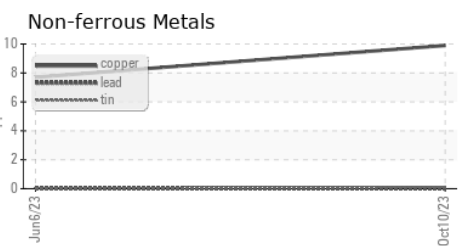
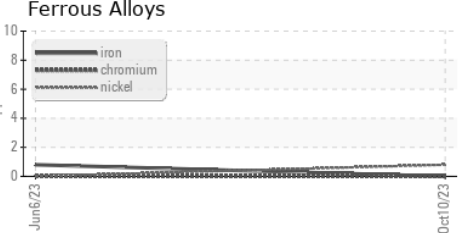
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	44.2	44.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC107041 **Received** : 16 Oct 2023
Lab Number : 05980425 **Diagnosed** : 18 Oct 2023
Unique Number : 10697720 **Diagnostician** : Don Baldrige
Test Package : IND 2

SAWSTREET
 6450 KINGSPORTE PKWY
 ORLANDO, FL
 US 32819
 Contact:

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)