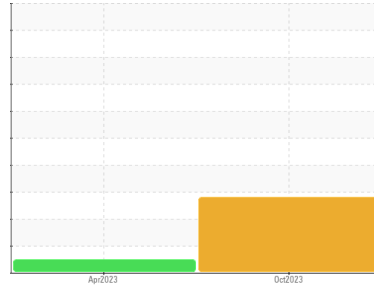




PROBLEM SUMMARY

Sample Rating Trend



WATER

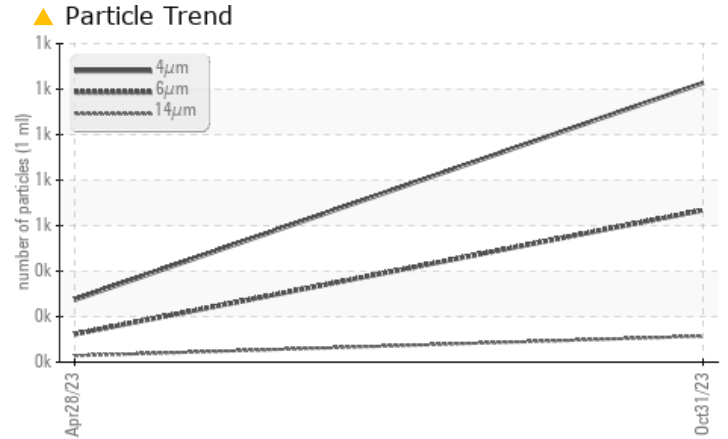
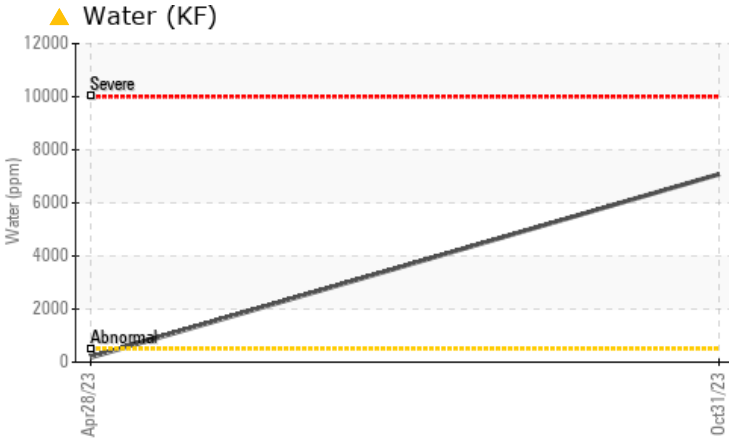


Machine Id
KAESER SX 7.5T 8293670 (S/N 1450)

Component
Compressor

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

COMPONENT CONDITION SUMMARY



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	NORMAL	---
Water	%	ASTM D6304	>0.05	▲ 0.708	0.017	---
ppm Water	ppm	ASTM D6304	>500	▲ 7080	179.3	---
Particles >14µm		ASTM D7647	>80	▲ 114	28	---
Particles >21µm		ASTM D7647	>20	▲ 38	16	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ 17/17/14	15/14/12	---

Customer Id: NVRENO
 Sample No.: KC124367
 Lab Number: 06000515
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@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

28 Apr 2023 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

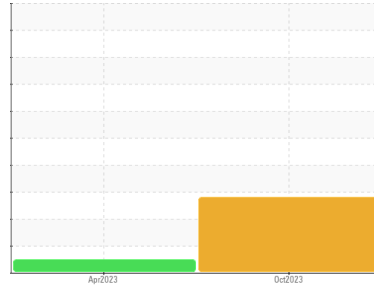
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
KAESER SX 7.5T 8293670 (S/N 1450)

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 moderate amount of particulates present in the oil. There is a light concentration of water 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	history1	history2
Sample Number	Client Info			KC124367	KC101490	---
Sample Date	Client Info			31 Oct 2023	28 Apr 2023	---
Machine Age	hrs	Client Info		3429	2368	---
Oil Age	hrs	Client Info		0	800	---
Oil Changed	Client Info			N/A	Not Changd	---
Sample Status				ABNORMAL	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m	>3	1	0	---
Titanium	ppm	ASTM D5185m	>3	0	0	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>10	0	<1	---
Lead	ppm	ASTM D5185m	>10	2	1	---
Copper	ppm	ASTM D5185m	>50	4	<1	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

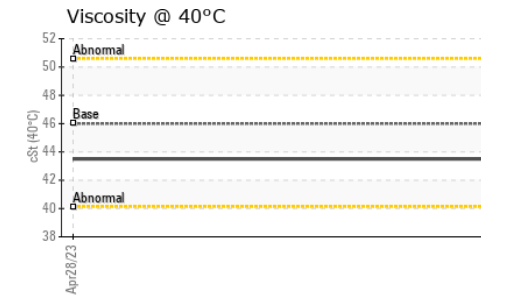
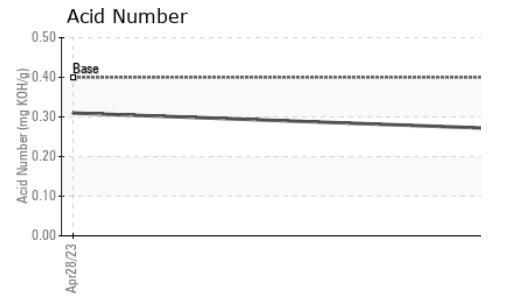
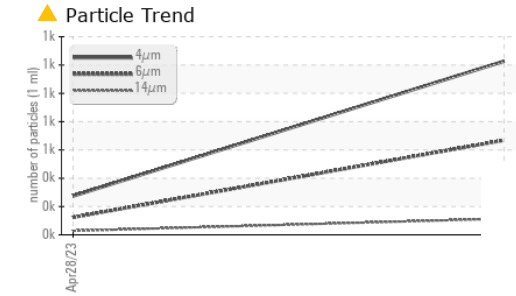
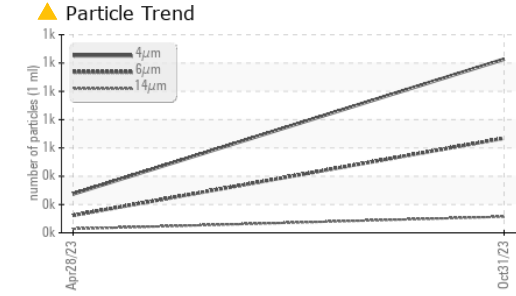
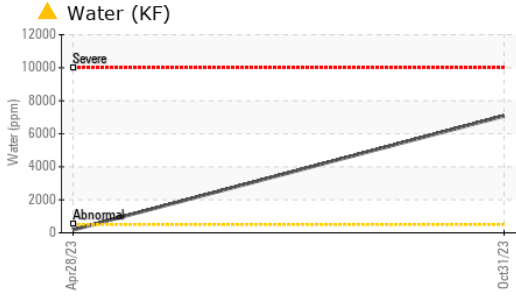
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m	90	0	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	90	31	78	---
Calcium	ppm	ASTM D5185m	2	2	0	---
Phosphorus	ppm	ASTM D5185m		2	0	---
Zinc	ppm	ASTM D5185m		0	20	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	---
Sodium	ppm	ASTM D5185m		8	13	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
Water	%	ASTM D6304	>0.05	▲ 0.708	0.017	---
ppm Water	ppm	ASTM D6304	>500	▲ 7080	179.3	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1227	274	---
Particles >6µm		ASTM D7647	>1300	668	123	---
Particles >14µm		ASTM D7647	>80	▲ 114	28	---
Particles >21µm		ASTM D7647	>20	▲ 38	16	---
Particles >38µm		ASTM D7647	>4	6	7	---
Particles >71µm		ASTM D7647	>3	1	5	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ 17/17/14	15/14/12	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.27	0.31	---

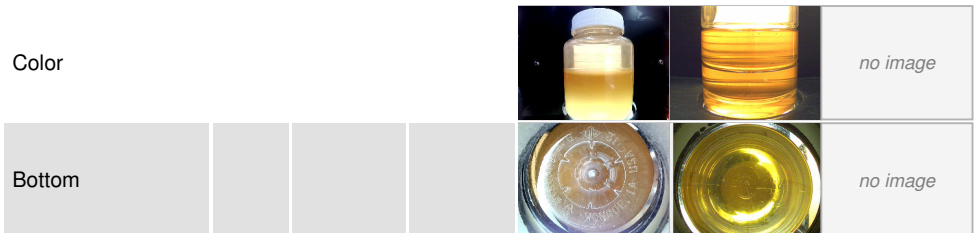
OIL ANALYSIS REPORT



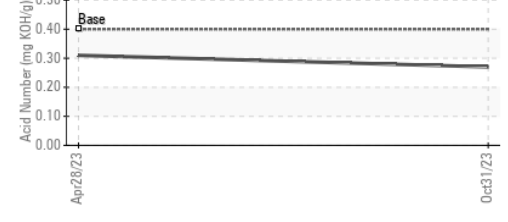
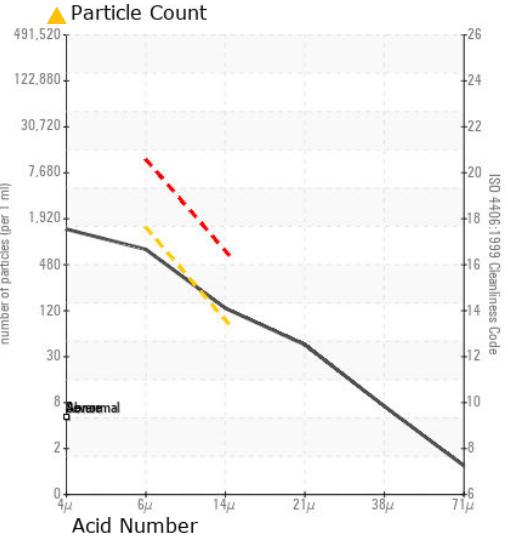
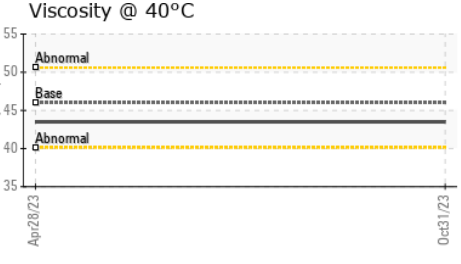
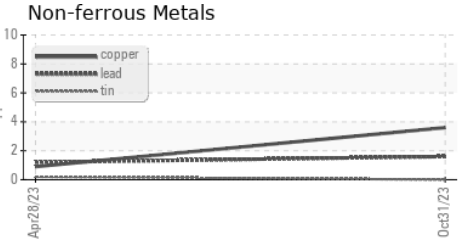
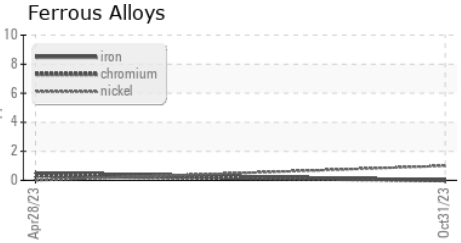
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	43.5	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC124367 **Received** : 07 Nov 2023
Lab Number : 06000515 **Diagnosed** : 14 Nov 2023
Unique Number : 10728875 **Diagnostician** : Angela Borella
Test Package : IND 2

NVR BUILDING PRODUCTS
 189 LITTLE BEAVER RD
 ENON VALLEY, PA
 US 16120
 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)

T:
F: