

PROBLEM SUMMARY

Sample Rating Trend



WEAR



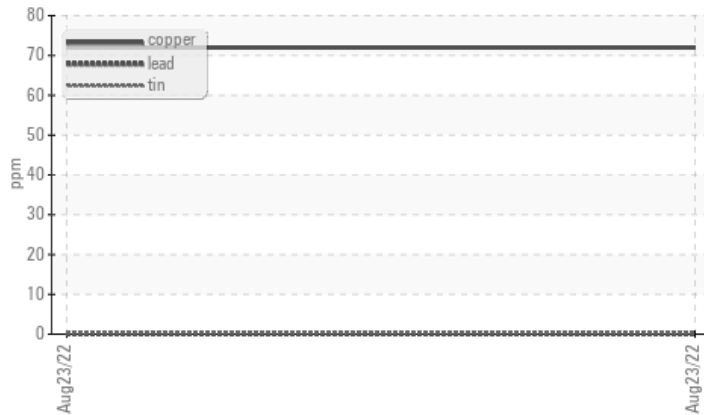
Machine Id
KAESER SX 6 2563455 (S/N 2894)

Component
Compressor

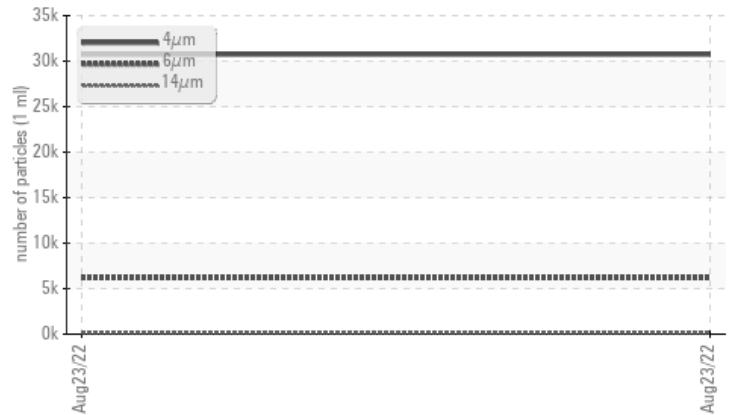
Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ 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	---	---
Copper	ppm	ASTM D5185m >50	▲ 72	---	---
Particles >6µm		ASTM D7647 >1300	▲ 6174	---	---
Particles >14µm		ASTM D7647 >80	▲ 169	---	---
Particles >21µm		ASTM D7647 >20	▲ 30	---	---
Oil Cleanliness		ISO 4406 (c) >--/17/13	▲ 22/20/15	---	---

Customer Id: HILHILCA
Sample No.: KCP48270
Lab Number: 05635066
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

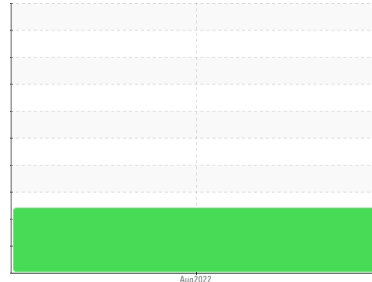
RECOMMENDED ACTIONS

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

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
KAESER SX 6 2563455 (S/N 2894)

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

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

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	history 1	history 2
Sample Number			KCP48270	---	---
Sample Date			23 Aug 2022	---	---
Machine Age	hrs		21579	---	---
Oil Age	hrs		0	---	---
Oil Changed			Changed	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	29	---	---
Chromium	ppm ASTM D5185m	>10	0	---	---
Nickel	ppm ASTM D5185m	>3	0	---	---
Titanium	ppm ASTM D5185m	>3	0	---	---
Silver	ppm ASTM D5185m	>2	0	---	---
Aluminum	ppm ASTM D5185m	>10	<1	---	---
Lead	ppm ASTM D5185m	>10	0	---	---
Copper	ppm ASTM D5185m	>50	▲ 72	---	---
Tin	ppm ASTM D5185m	>10	<1	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m	0	0	---	---
Barium	ppm ASTM D5185m	90	0	---	---
Molybdenum	ppm ASTM D5185m	0	0	---	---
Manganese	ppm ASTM D5185m		0	---	---
Magnesium	ppm ASTM D5185m	100	0	---	---
Calcium	ppm ASTM D5185m	0	0	---	---
Phosphorus	ppm ASTM D5185m	0	147	---	---
Zinc	ppm ASTM D5185m	0	117	---	---
Sulfur	ppm ASTM D5185m	23500	5924	---	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	9	---	---
Sodium	ppm ASTM D5185m		1	---	---
Potassium	ppm ASTM D5185m	>20	0	---	---
Water	% ASTM D6304	>0.05	0.003	---	---
ppm Water	ppm ASTM D6304	>500	28.8	---	---

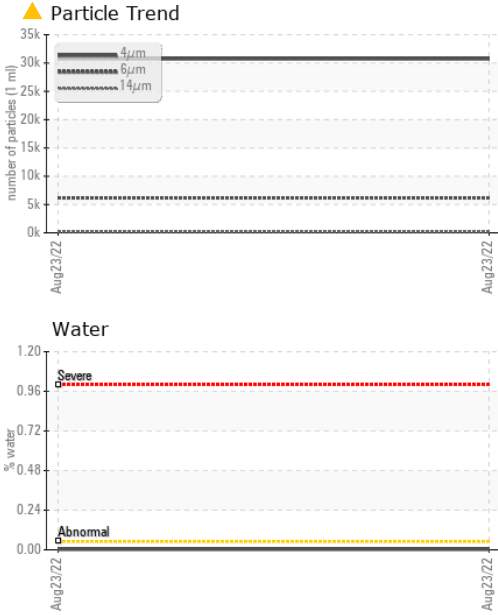
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		30737	---	---
Particles >6µm	ASTM D7647	>1300	▲ 6174	---	---
Particles >14µm	ASTM D7647	>80	▲ 169	---	---
Particles >21µm	ASTM D7647	>20	▲ 30	---	---
Particles >38µm	ASTM D7647	>4	2	---	---
Particles >71µm	ASTM D7647	>3	1	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/20/15	---	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	1.0	0.61	---	---

OIL ANALYSIS REPORT



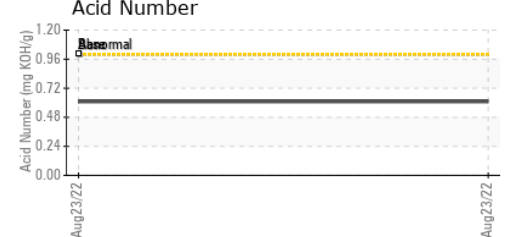
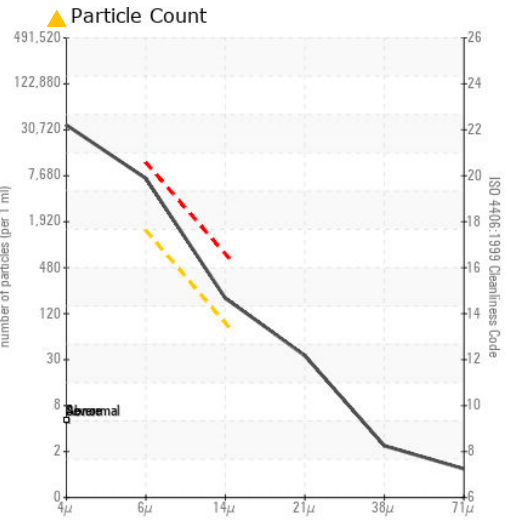
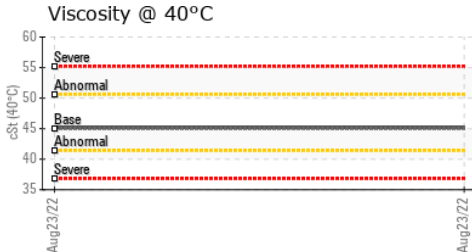
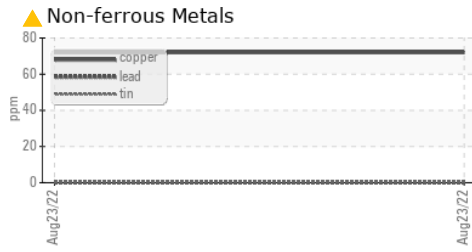
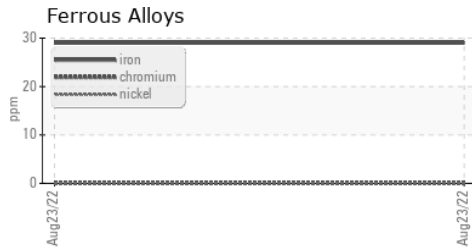
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	45	45.2	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP48270 **Received** : 06 Sep 2022
Lab Number : 05635066 **Diagnosed** : 08 Sep 2022
Unique Number : 10124596 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

HILMAR CHEESE
 9001 N LANDER AVE
 HILMAR, CA
 USA 95324
 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:
F: