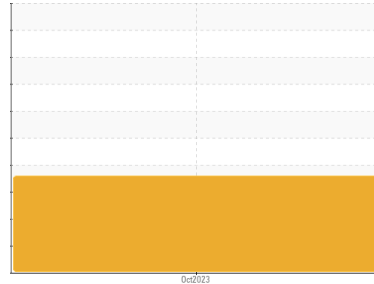




PROBLEM SUMMARY

Sample Rating Trend



WATER



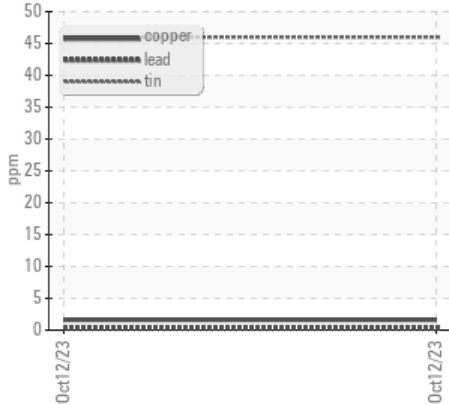
Machine Id
KAESER BSD 50T 8877954 (S/N 1409)

Component
Compressor

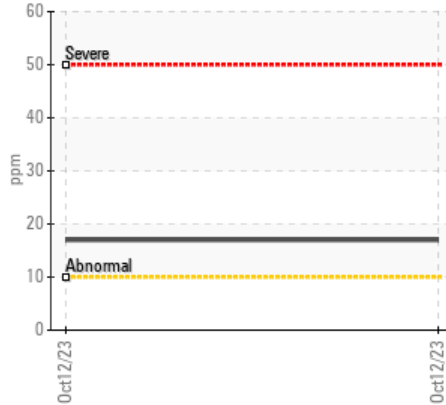
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY

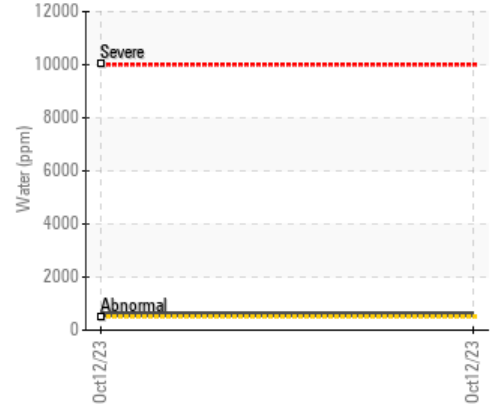
▲ Non-ferrous Metals



▲ Aluminum (ppm)



▲ Water (KF)



RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Aluminum	ppm	ASTM D5185m	>10	▲ 17	---	---
Tin	ppm	ASTM D5185m	>10	▲ 46	---	---
Water	%	ASTM D6304	>0.05	▲ 0.058	---	---
ppm Water	ppm	ASTM D6304	>500	▲ 580	---	---
Debris	scalar	*Visual	NONE	▲ HEAVY	---	---

Customer Id: FABHAG
 Sample No.: KC126092
 Lab Number: 05980403
 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
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
KAESER BSD 50T 8877954 (S/N 1409)
 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. We recommend an early resample to monitor this condition.

Wear

The aluminum level is abnormal. The tin level is abnormal.

Contamination

There is a trace of moisture present in the oil. High concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	KC126092	---	---
Sample Date	Client Info	12 Oct 2023	---	---
Machine Age	hrs Client Info	4158	---	---
Oil Age	hrs 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	2	---	---
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	▲ 17	---	---
Lead ppm ASTM D5185m	>10	<1	---	---
Copper ppm ASTM D5185m	>50	2	---	---
Tin ppm ASTM D5185m	>10	▲ 46	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		0	---	---
Barium ppm ASTM D5185m	90	0	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Manganese ppm ASTM D5185m		<1	---	---
Magnesium ppm ASTM D5185m	90	4	---	---
Calcium ppm ASTM D5185m	2	1	---	---
Phosphorus ppm ASTM D5185m		66	---	---
Zinc ppm ASTM D5185m		64	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<1	---	---
Sodium ppm ASTM D5185m		2	---	---
Potassium ppm ASTM D5185m	>20	7	---	---
Water % ASTM D6304	>0.05	▲ 0.058	---	---
ppm Water ppm ASTM D6304	>500	▲ 580	---	---

FLUID DEGRADATION

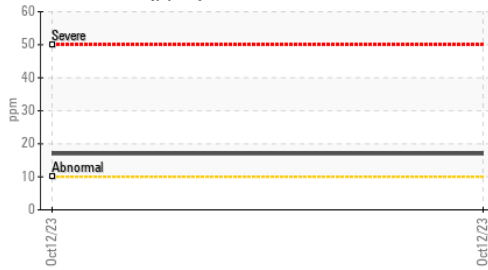
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.4	0.25	---	---

VISUAL

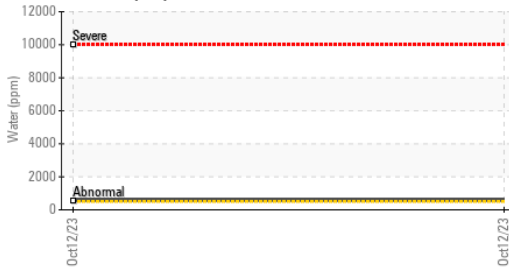
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	▲ HEAVY	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---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

OIL ANALYSIS REPORT

▲ Aluminum (ppm)



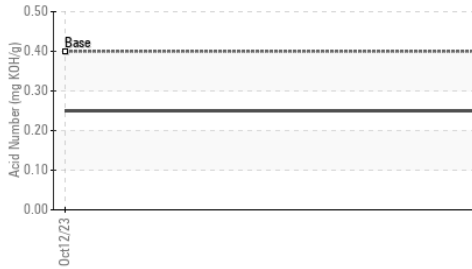
▲ Water (KF)



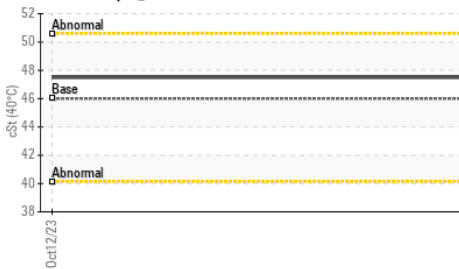
▲ Water (KF)



Acid Number



Viscosity @ 40°C



FLUID PROPERTIES

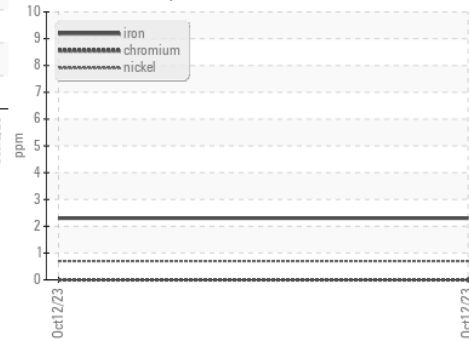
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 46	47.5	---	---

SAMPLE IMAGES

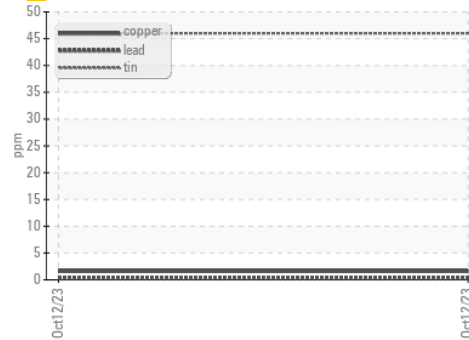
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS

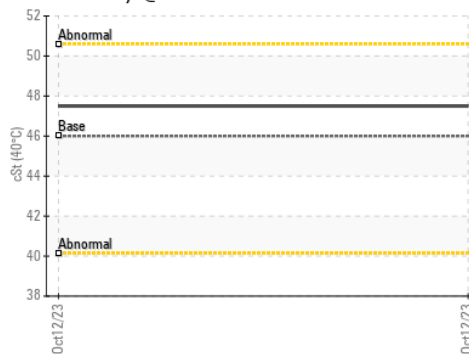
Ferrous Alloys



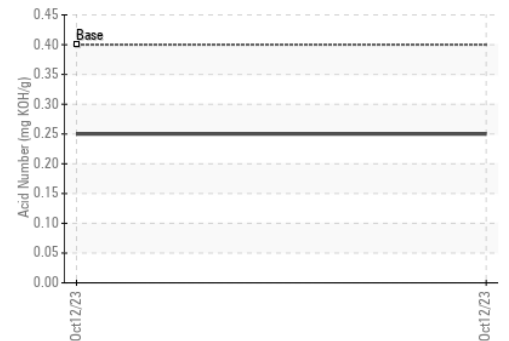
▲ Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC126092 **Received** : 16 Oct 2023
Lab Number : 05980403 **Diagnosed** : 18 Oct 2023
Unique Number : 10697698 **Diagnostician** : Don Baldrige
Test Package : IND 2

FABRICATED EXTRUSIONS
 1455 OAKMONT DR
 HAGERSTOWN, MD
 US 21740
 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: