



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
KAESER 2562144

Component
Compressor

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

DIAGNOSIS

▲ Recommendation

We were unable to perform a particle count on this sample. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water 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	KC06065602	---	---
Sample Date	Client Info	13 Dec 2023	---	---
Machine Age	hrs Client Info	527	---	---
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	0	---	---
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	0	---	---
Lead ppm ASTM D5185m	>10	1	---	---
Copper ppm ASTM D5185m	>50	5	---	---
Tin ppm ASTM D5185m	>10	0	---	---
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	15	---	---
Molybdenum ppm ASTM D5185m		0	---	---
Manganese ppm ASTM D5185m		<1	---	---
Magnesium ppm ASTM D5185m	90	38	---	---
Calcium ppm ASTM D5185m	2	6	---	---
Phosphorus ppm ASTM D5185m		4	---	---
Zinc ppm ASTM D5185m		9	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	8	---	---
Sodium ppm ASTM D5185m		3	---	---
Potassium ppm ASTM D5185m	>20	1	---	---
Water % ASTM D6304	>0.05	▲ 0.090	---	---
ppm Water ppm ASTM D6304	>500	▲ 900	---	---

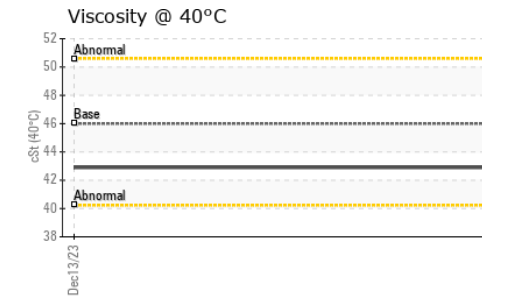
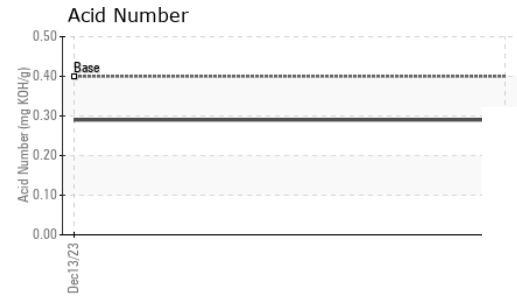
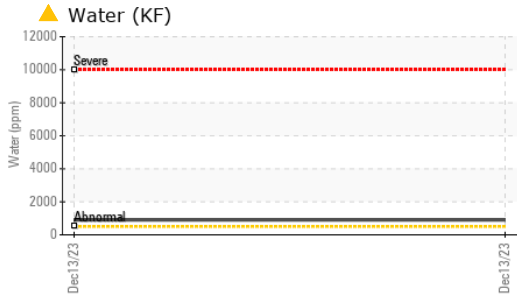
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.4	0.29	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	MODER	---	---
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%	---	---
Free Water scalar *Visual		NEG	---	---

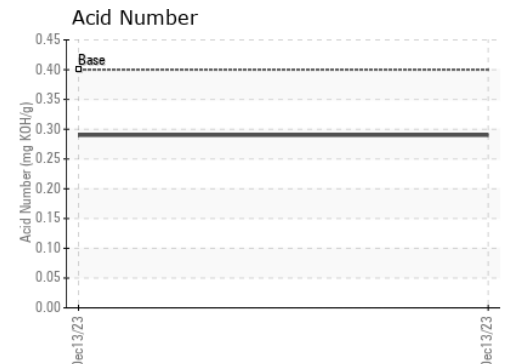
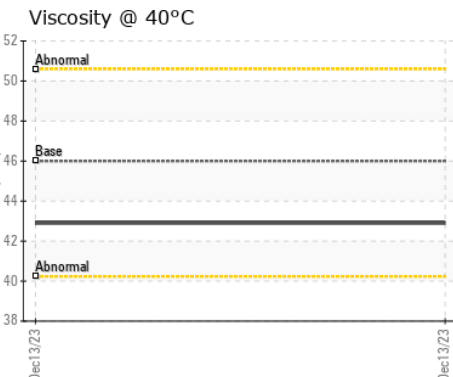
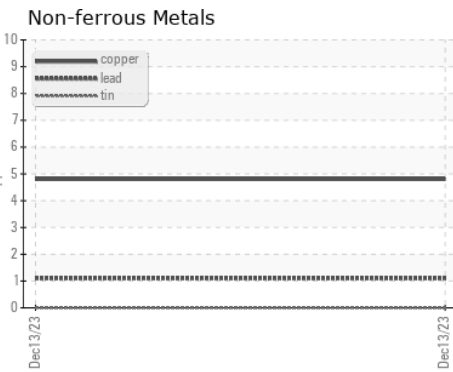
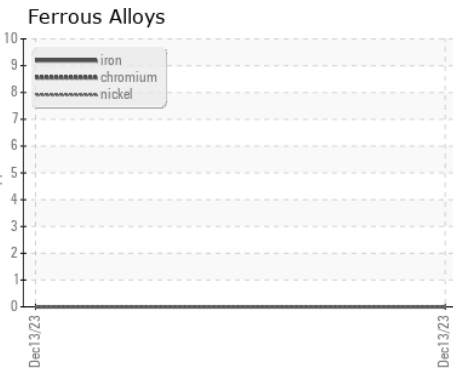
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	42.9	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC06065602 **Recieved** : 19 Jan 2024
Lab Number : 06065602 **Diagnosed** : 24 Jan 2024
Unique Number : 10836984 **Diagnostician** : Don Baldrige
Test Package : IND 2

LONGEVITY VET CENTER
 265 RT 10 E
 WHIPPANY, NJ
 US 07981
 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: