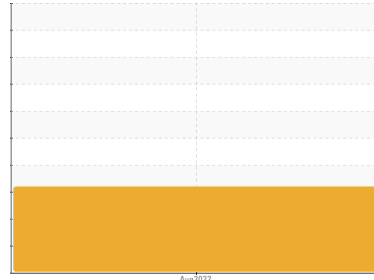


PROBLEM SUMMARY

Sample Rating Trend



WATER



Machine Id
8356937 (S/N 2217)

Component
Compressor

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

COMPONENT CONDITION SUMMARY

▲ Water



RECOMMENDATION

There is too much water present in this sample to perform a particle count. 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.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Water	%	ASTM D6304	>0.05	▲ 0.272	---	---
ppm Water	ppm	ASTM D6304	>500	▲ 2720	---	---
Emulsified Water	scalar	*Visual	>0.05	▲ 0.2%	---	---
Free Water	scalar	*Visual		▲ 1.0	---	---

Customer Id: SUNFRU
Sample No.: KC96764
Lab Number: 05628981
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

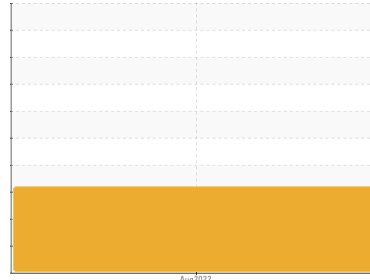
RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
8356937 (S/N 2217)

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

DIAGNOSIS

▲ Recommendation

There is too much water present in this sample to perform a particle count. 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. Free water present.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number			KC96764	---	---
Sample Date			24 Aug 2022	---	---
Machine Age	hrs		422	---	---
Oil Age	hrs		422	---	---
Oil Changed			Not Chngd	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	<1	---	---
Chromium	ppm ASTM D5185m	>10	0	---	---
Nickel	ppm ASTM D5185m	>3	0	---	---
Titanium	ppm ASTM D5185m	>3	0	---	---
Silver	ppm ASTM D5185m	>2	<1	---	---
Aluminum	ppm ASTM D5185m	>10	<1	---	---
Lead	ppm ASTM D5185m	>10	0	---	---
Copper	ppm ASTM D5185m	>50	2	---	---
Tin	ppm ASTM D5185m	>10	0	---	---
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	29	---	---
Molybdenum	ppm ASTM D5185m	0	0	---	---
Manganese	ppm ASTM D5185m		<1	---	---
Magnesium	ppm ASTM D5185m	100	48	---	---
Calcium	ppm ASTM D5185m	0	<1	---	---
Phosphorus	ppm ASTM D5185m	0	3	---	---
Zinc	ppm ASTM D5185m	0	2	---	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	<1	---	---
Sodium	ppm ASTM D5185m		7	---	---
Potassium	ppm ASTM D5185m	>20	2	---	---
Water	% ASTM D6304	>0.05	▲ 0.272	---	---
ppm Water	ppm ASTM D6304	>500	▲ 2720	---	---

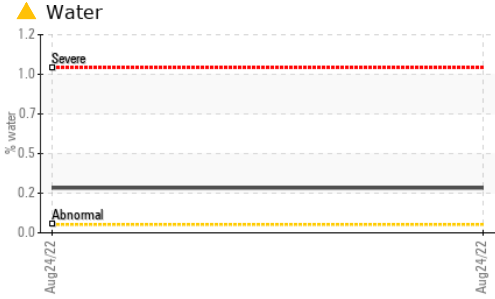
FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	1.0	0.28	---	---

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	LIGHT	---	---
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		▲ 1.0	---	---

OIL ANALYSIS REPORT

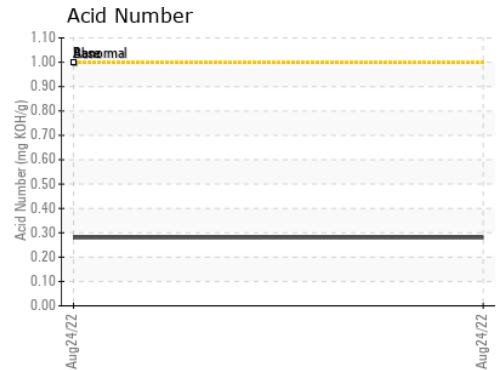
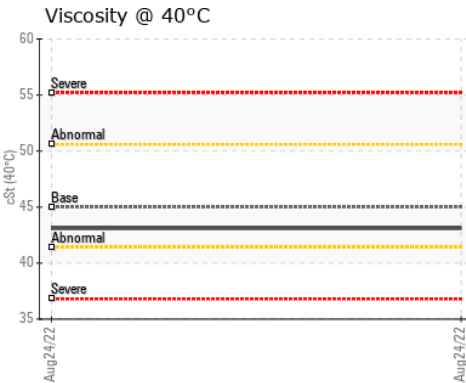
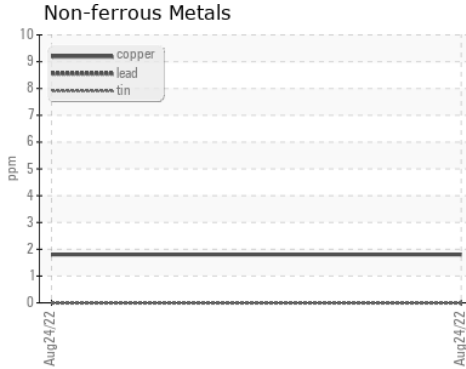
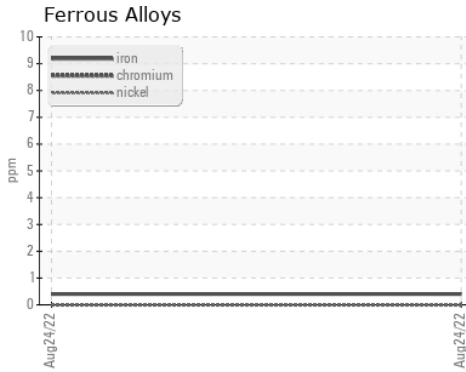


FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 45	43.1	---	---

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. : KC96764 **Received** : 29 Aug 2022
Lab Number : **05628981** **Diagnosed** : 31 Aug 2022
Unique Number : 10113502 **Diagnostician** : Don Baldrige
Test Package : IND 2

SUNDOWN SHEET METAL
 5677 AIRLINE HWY
 FRUITPORT, MI
 USA 49415
 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: