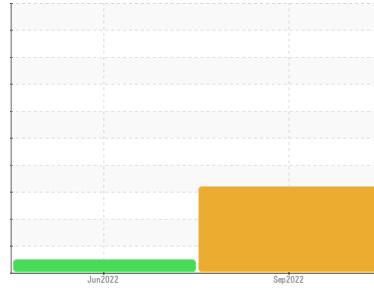


PROBLEM SUMMARY

Sample Rating Trend

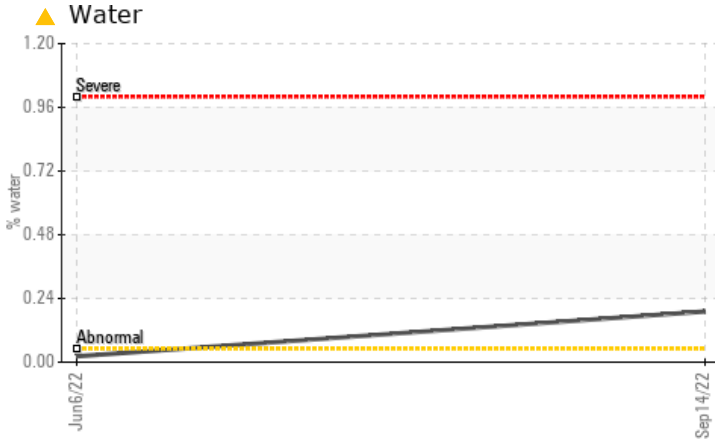


WATER



Machine Id
7846220 (S/N 1018)
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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	NORMAL	---
Water	%	ASTM D6304	>0.05	▲ 0.191	0.022	---
ppm Water	ppm	ASTM D6304	>500	▲ 1910	225.6	---
Free Water	scalar	*Visual		▲ 1.0	NEG	---

Customer Id: LEGGRA
Sample No.: KC96825
Lab Number: 05644911
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

06 Jun 2022 Diag: Don Baldrige

NORMAL

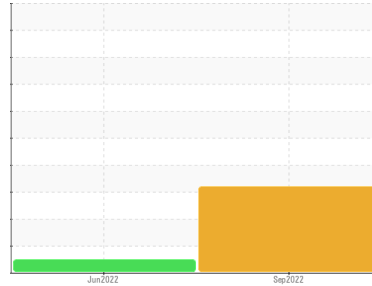


Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for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

view report



Machine Id
7846220 (S/N 1018)
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)



DIAGNOSIS

Recommendation

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. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number			KC96825	KC103892	---
Sample Date			14 Sep 2022	06 Jun 2022	---
Machine Age	hrs		7121	5188	---
Oil Age	hrs		4313	1755	---
Oil Changed			Not Chngd	Changed	---
Sample Status			ABNORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	<1	<1	---
Chromium	ppm ASTM D5185m	>10	0	0	---
Nickel	ppm ASTM D5185m	>3	0	0	---
Titanium	ppm ASTM D5185m	>3	0	0	---
Silver	ppm ASTM D5185m	>2	<1	0	---
Aluminum	ppm ASTM D5185m	>10	<1	<1	---
Lead	ppm ASTM D5185m	>10	<1	<1	---
Copper	ppm ASTM D5185m	>50	17	2	---
Tin	ppm ASTM D5185m	>10	0	0	---
Vanadium	ppm ASTM D5185m		0	0	---
Cadmium	ppm ASTM D5185m		0	0	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m		0	<1	---
Barium	ppm ASTM D5185m	90	0	0	---
Molybdenum	ppm ASTM D5185m		0	0	---
Manganese	ppm ASTM D5185m		<1	<1	---
Magnesium	ppm ASTM D5185m	90	14	49	---
Calcium	ppm ASTM D5185m	2	0	1	---
Phosphorus	ppm ASTM D5185m		4	7	---
Zinc	ppm ASTM D5185m		17	2	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	<1	<1	---
Sodium	ppm ASTM D5185m		2	4	---
Potassium	ppm ASTM D5185m	>20	0	<1	---
Water	% ASTM D6304	>0.05	▲ 0.191	0.022	---
ppm Water	ppm ASTM D6304	>500	▲ 1910	225.6	---

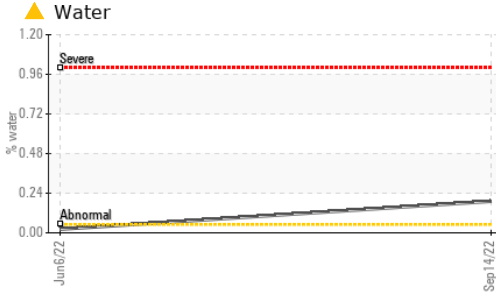
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		---	1335	---
Particles >6µm	ASTM D7647	>1300	---	289	---
Particles >14µm	ASTM D7647	>80	---	18	---
Particles >21µm	ASTM D7647	>20	---	4	---
Particles >38µm	ASTM D7647	>4	---	0	---
Particles >71µm	ASTM D7647	>3	---	0	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	---	18/15/11	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.4	0.31	0.44	---

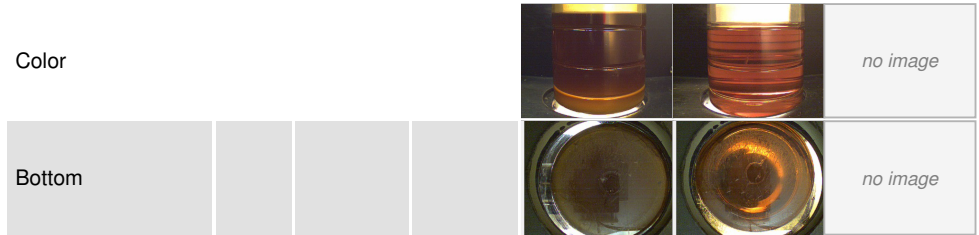
OIL ANALYSIS REPORT



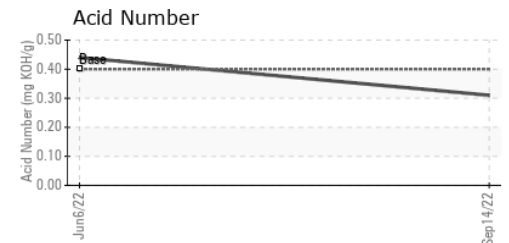
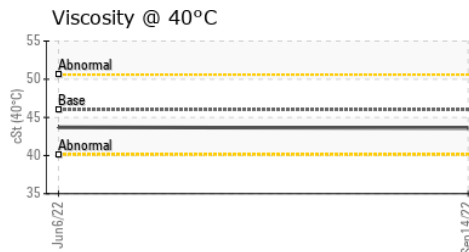
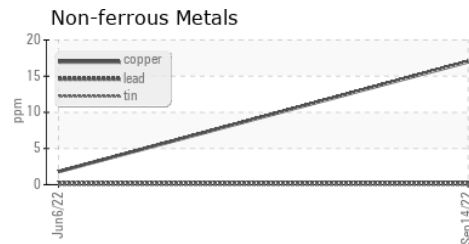
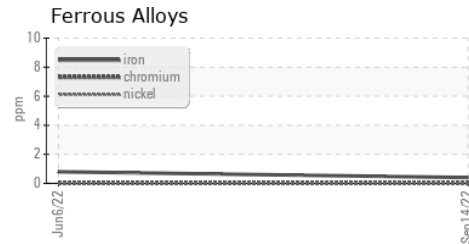
VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	LIGHT	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG	---
Free Water	scalar	*Visual		▲ 1.0	NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	46	43.6	43.7	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC96825 **Received** : 19 Sep 2022
Lab Number : 05644911 **Diagnosed** : 20 Sep 2022
Unique Number : 10139450 **Diagnostician** : Angela Borella
Test Package : IND 2

LEGACY PRECISION MOLDS
 4668 SPARTAN INDUSTRIAL DR
 GRANDVILLE, MI
 USA 49418
 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: