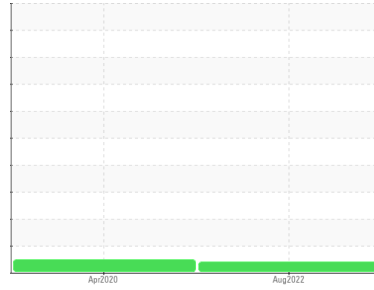


PROBLEM SUMMARY

Sample Rating Trend



VIS DEBRIS



Machine Id
KAESER 6015765

Component
Compressor

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

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	---
Debris	scalar	*Visual	NONE	▲ MODER	VLITE	---

Customer Id: CARCOLCA
Sample No.: KCP50608
Lab Number: 05628389
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

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.
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

23 Apr 2020 Diag: Angela Borella

NORMAL

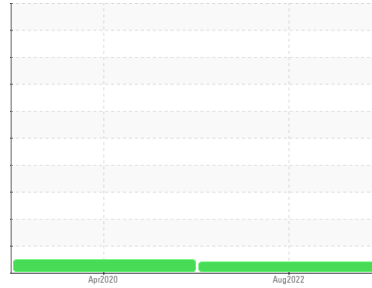


Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Machine Id
KAESER 6015765
Component
Compressor
Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)



DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

▲ Contamination

Moderate concentration of visible dirt/debris 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			KCP50608	KCP26635	---
Sample Date			24 Aug 2022	23 Apr 2020	---
Machine Age	hrs		4429	2484	---
Oil Age	hrs		2000	2484	---
Oil Changed			Changed	Changed	---
Sample Status			ABNORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	0	2	---
Chromium	ppm ASTM D5185m	>10	0	0	---
Nickel	ppm ASTM D5185m	>3	<1	0	---
Titanium	ppm ASTM D5185m	>3	0	0	---
Silver	ppm ASTM D5185m	>2	1	0	---
Aluminum	ppm ASTM D5185m	>10	2	0	---
Lead	ppm ASTM D5185m	>10	0	1	---
Copper	ppm ASTM D5185m	>50	14	7	---
Tin	ppm ASTM D5185m	>10	<1	<1	---
Antimony	ppm ASTM D5185m		---	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	0	<1	---
Barium	ppm ASTM D5185m	90	0	5	---
Molybdenum	ppm ASTM D5185m	0	0	0	---
Manganese	ppm ASTM D5185m		0	0	---
Magnesium	ppm ASTM D5185m	100	<1	62	---
Calcium	ppm ASTM D5185m	0	0	1	---
Phosphorus	ppm ASTM D5185m	0	4	1	---
Zinc	ppm ASTM D5185m	0	0	0	---
Sulfur	ppm ASTM D5185m	23500	15222	16255	---

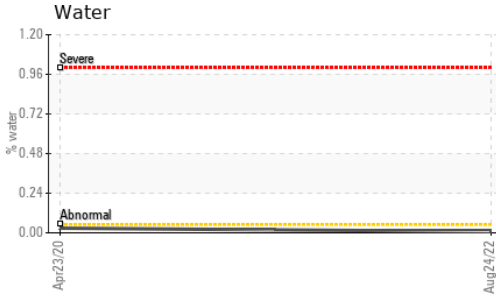
CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	1	2	---
Sodium	ppm ASTM D5185m		0	14	---
Potassium	ppm ASTM D5185m	>20	0	2	---
Water	% ASTM D6304	>0.05	0.008	0.028	---
ppm Water	ppm ASTM D6304	>500	87.6	289.8	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	1.0	0.38	0.364	---

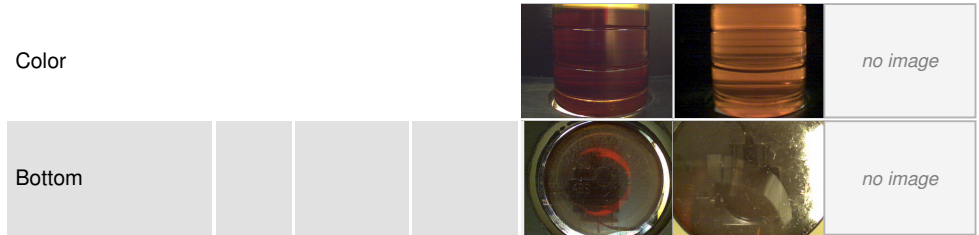
OIL ANALYSIS REPORT



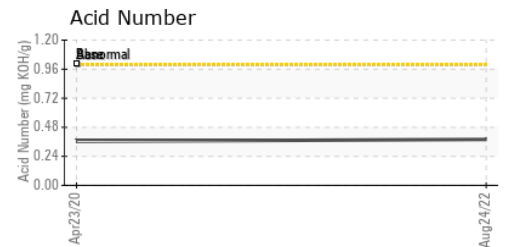
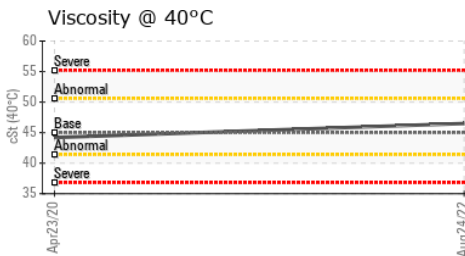
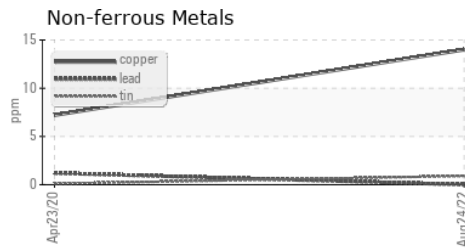
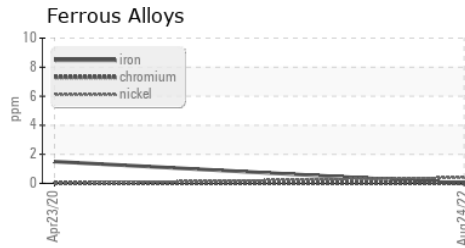
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	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	46.5	44.2

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. : KCP50608 **Received** : 26 Aug 2022
Lab Number : 05628389 **Diagnosed** : 30 Aug 2022
Unique Number : 10112910 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: KF, PrtCount)

CARMAX 06080 SERRAMONTE
 401 SERRAMONTE BLVD
 COLMA, CA
 USA 94014
 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: