



PROBLEM SUMMARY

Sample Rating Trend



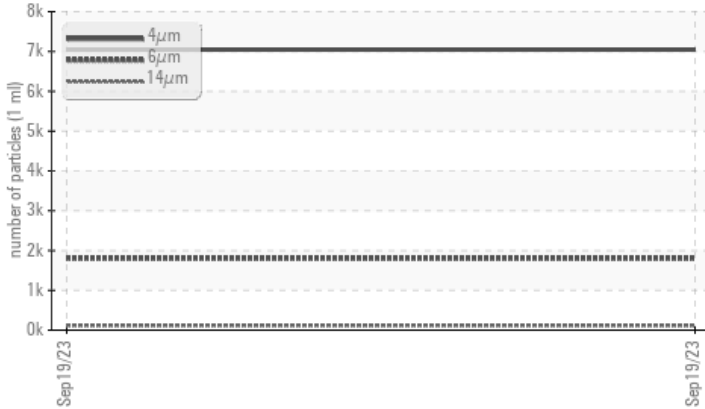
ISO



Area
[148556]
 Machine Id
KAESER AS 20 2678578 (S/N 1186)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Particles >6µm	ASTM D7647	>1300	▲ 1803	---	---	---
Particles >14µm	ASTM D7647	>80	▲ 115	---	---	---
Particles >21µm	ASTM D7647	>20	▲ 28	---	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/18/14	---	---	---

Customer Id: BARGRO
 Sample No.: KCPA001568
 Lab Number: 05960688
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@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

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Area

[148556]

Machine Id

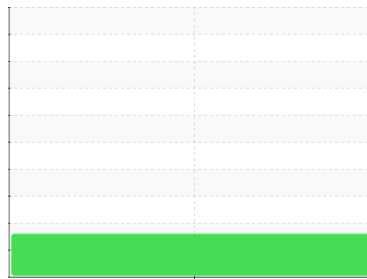
KAESER AS 20 2678578 (S/N 1186)

Component

Compressor

Fluid

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



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates 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	history1	history2
Sample Number	Client Info	KCPA001568	---	---
Sample Date	Client Info	19 Sep 2023	---	---
Machine Age	hrs	Client Info	49211	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
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	0	---	---
Aluminum ppm	ASTM D5185m >10	0	---	---
Lead ppm	ASTM D5185m >10	0	---	---
Copper ppm	ASTM D5185m >50	14	---	---
Tin ppm	ASTM D5185m >10	<1	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 0	0	---	---
Barium ppm	ASTM D5185m 90	0	---	---
Molybdenum ppm	ASTM D5185m 0	<1	---	---
Manganese ppm	ASTM D5185m	<1	---	---
Magnesium ppm	ASTM D5185m 100	3	---	---
Calcium ppm	ASTM D5185m 0	<1	---	---
Phosphorus ppm	ASTM D5185m 0	3	---	---
Zinc ppm	ASTM D5185m 0	32	---	---
Sulfur ppm	ASTM D5185m 23500	23327	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	1	---	---
Sodium ppm	ASTM D5185m	4	---	---
Potassium ppm	ASTM D5185m >20	1	---	---
Water %	ASTM D6304 >0.05	0.003	---	---
ppm Water ppm	ASTM D6304 >500	37.0	---	---

FLUID CLEANLINESS

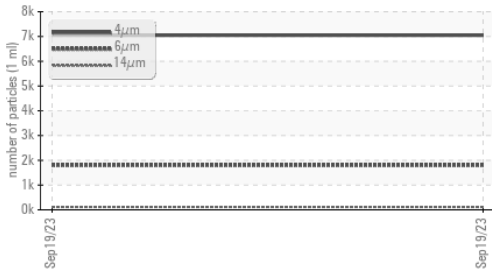
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	7047	---	---
Particles >6µm	ASTM D7647 >1300	▲ 1803	---	---
Particles >14µm	ASTM D7647 >80	▲ 115	---	---
Particles >21µm	ASTM D7647 >20	▲ 28	---	---
Particles >38µm	ASTM D7647 >4	1	---	---
Particles >71µm	ASTM D7647 >3	1	---	---
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 20/18/14	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 1.0	0.52	---	---

OIL ANALYSIS REPORT

▲ Particle Trend



Water (KF)



Acid Number



Water (KF)



Viscosity @ 40°C



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	NONE	---
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	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	48.9	---

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

GRAPHS

Ferrous Alloys



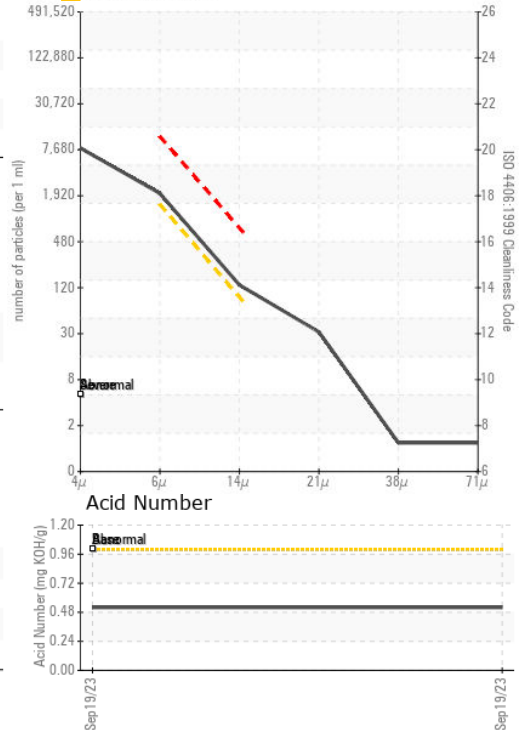
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA001568 **Received** : 25 Sep 2023
Lab Number : 05960688 **Diagnosed** : 27 Sep 2023
Unique Number : 10661901 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, PrtCount)

BARE ESSENTIALS - SHISEIDO AMERICAS CORP
 5271 CENTER POINT CT
 GROVEPORT, OH
 US 43125
 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: