

PROBLEM SUMMARY

Sample Rating Trend



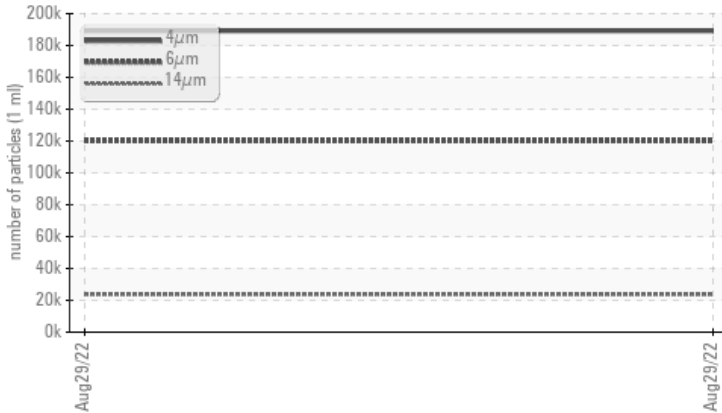
ISO



Machine Id
KAESER 8284829 (S/N 1760)
Component
Compressor
Fluid
KAESER SIGMA (OEM) M-460 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Particles >6µm	ASTM D7647	>1300	▲ 120113	---	---	---
Particles >14µm	ASTM D7647	>80	▲ 23702	---	---	---
Particles >21µm	ASTM D7647	>20	▲ 3463	---	---	---
Particles >38µm	ASTM D7647	>4	▲ 51	---	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 25/24/22	---	---	---

Customer Id: REAREAPA
Sample No.: KC96017
Lab Number: 05636526
Test Package: IND 2



To manage this report scan the QR code

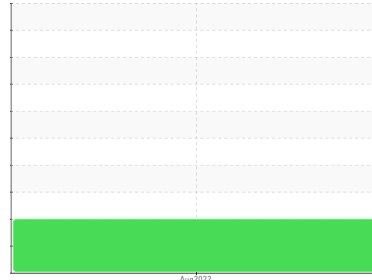
To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS



Machine Id
KAESER 8284829 (S/N 1760)

Component
Compressor

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

DIAGNOSIS

▲ Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a high 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	history 1	history 2
Sample Number			KC96017	---	---
Sample Date			29 Aug 2022	---	---
Machine Age	hrs		1975	---	---
Oil Age	hrs		1975	---	---
Oil Changed			Not Changed	---	---
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	0	---	---
Aluminum	ppm	ASTM D5185m >10	<1	---	---
Lead	ppm	ASTM D5185m >10	0	---	---
Copper	ppm	ASTM D5185m >50	3	---	---
Tin	ppm	ASTM D5185m >10	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

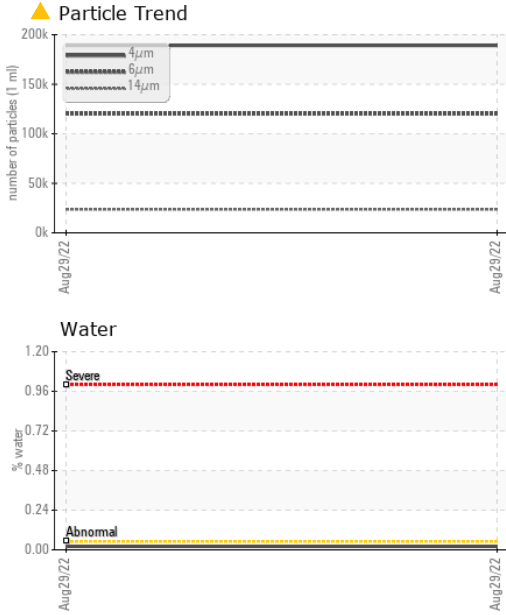
ADDITIVES	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m 0	0	---	---
Barium	ppm	ASTM D5185m 90	27	---	---
Molybdenum	ppm	ASTM D5185m 0	0	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m 100	57	---	---
Calcium	ppm	ASTM D5185m 0	3	---	---
Phosphorus	ppm	ASTM D5185m 0	2	---	---
Zinc	ppm	ASTM D5185m 0	6	---	---

CONTAMINANTS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >25	<1	---	---
Sodium	ppm	ASTM D5185m	14	---	---
Potassium	ppm	ASTM D5185m >20	14	---	---
Water	%	ASTM D6304 >0.05	0.021	---	---
ppm Water	ppm	ASTM D6304 >500	213.3	---	---

FLUID CLEANLINESS	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		189152	---	---
Particles >6µm	ASTM D7647	>1300	▲ 120113	---	---
Particles >14µm	ASTM D7647	>80	▲ 23702	---	---
Particles >21µm	ASTM D7647	>20	▲ 3463	---	---
Particles >38µm	ASTM D7647	>4	▲ 51	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 25/24/22	---	---

FLUID DEGRADATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.0	0.36	---	---

OIL ANALYSIS REPORT



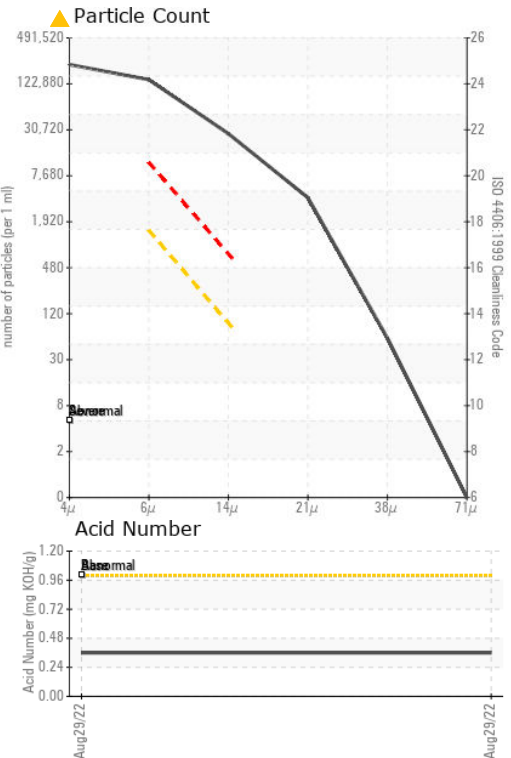
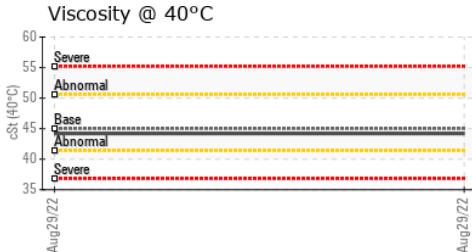
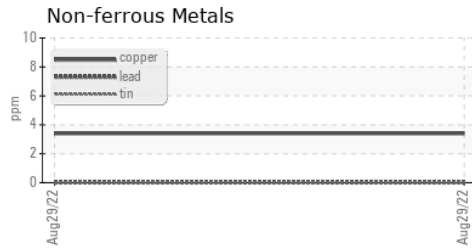
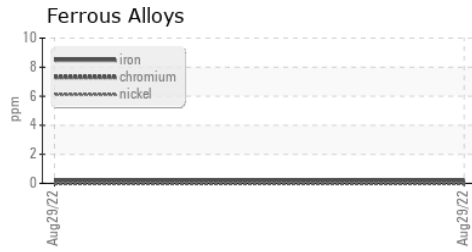
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	45	44.2	---

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. : KC96017 **Received** : 08 Sep 2022
Lab Number : 05636526 **Diagnosed** : 09 Sep 2022
Unique Number : 10126056 **Diagnostician** : Don Baldrige
Test Package : IND 2

READING COLLISION
 935 GREGG AVE
 READING, PA
 USA 19607
 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: