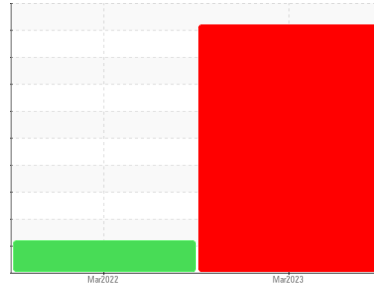




PROBLEM SUMMARY

Sample Rating Trend



ISO



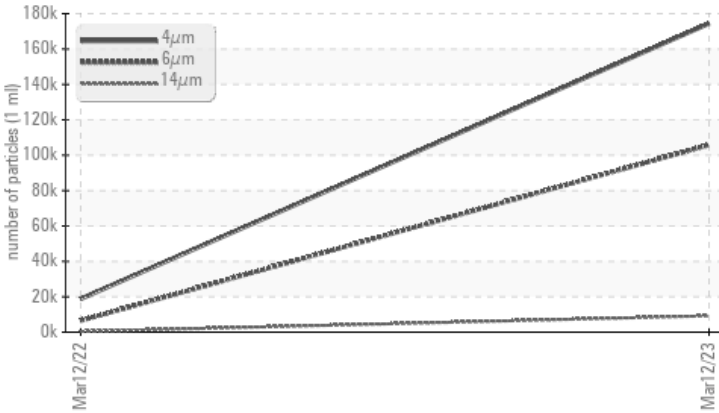
Machine Id
KAESER 7803185

Component
Compressor

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

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			SEVERE	ABNORMAL	---
Particles >6µm	ASTM D7647	>1300	▲ 105796	▲ 6456	---
Particles >14µm	ASTM D7647	>80	▲ 9181	▲ 376	---
Particles >21µm	ASTM D7647	>20	▲ 1376	▲ 80	---
Particles >38µm	ASTM D7647	>4	▲ 173	2	---
Particles >71µm	ASTM D7647	>3	▲ 13	0	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 25/24/20	▲ 20/16	---

Customer Id: CTWPHI
Sample No.: KC97278
Lab Number: 05800350
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 Filter	---	---	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

12 Mar 2022 Diag: Jonathan Hester

ISO



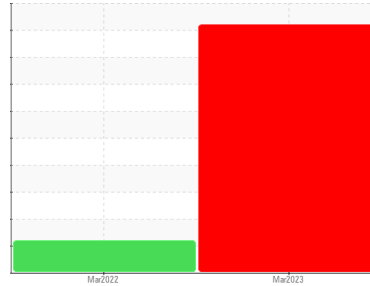
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
KAESER 7803185

Component
Compressor

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

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 acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KC97278	KC93033	---
Sample Date	Client Info		12 Mar 2023	12 Mar 2022	---
Machine Age	hrs	Client Info	345	245	---
Oil Age	hrs	Client Info	345	245	---
Oil Changed	Client Info		Not Chngd	Changed	---
Sample Status			SEVERE	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	2	2	---
Chromium	ppm	ASTM D5185m >10	0	0	---
Nickel	ppm	ASTM D5185m >3	<1	<1	---
Titanium	ppm	ASTM D5185m >3	0	0	---
Silver	ppm	ASTM D5185m >2	0	<1	---
Aluminum	ppm	ASTM D5185m >10	<1	<1	---
Lead	ppm	ASTM D5185m >10	0	0	---
Copper	ppm	ASTM D5185m >50	1	1	---
Tin	ppm	ASTM D5185m >10	<1	1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	0	---
Barium	ppm	ASTM D5185m 90	0	0	---
Molybdenum	ppm	ASTM D5185m 0	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m 100	65	75	---
Calcium	ppm	ASTM D5185m 0	2	2	---
Phosphorus	ppm	ASTM D5185m 0	4	24	---
Zinc	ppm	ASTM D5185m 0	13	11	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	1	<1	---
Sodium	ppm	ASTM D5185m	12	12	---
Potassium	ppm	ASTM D5185m >20	3	0	---
Water	%	ASTM D6304 >0.05	0.032	0.015	---
ppm Water	ppm	ASTM D6304 >500	326.9	159.5	---

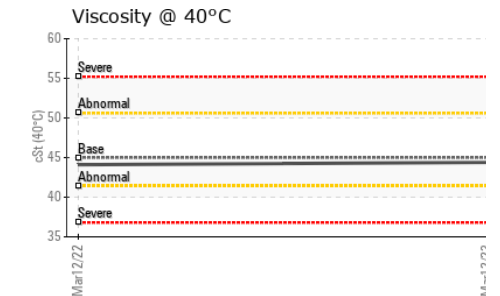
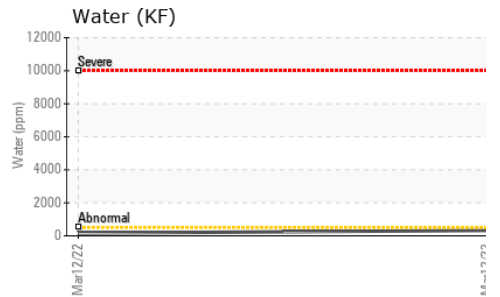
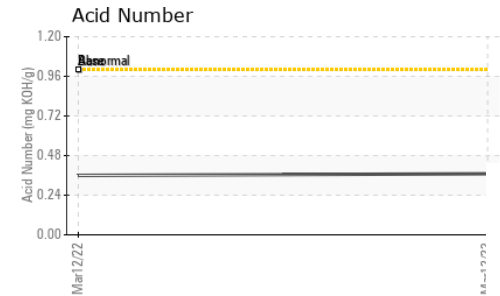
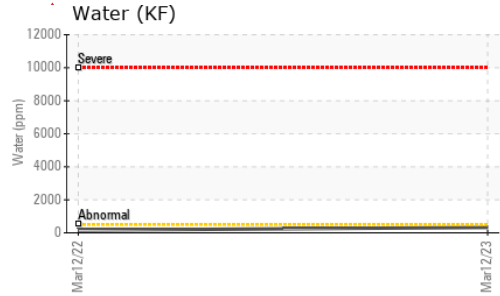
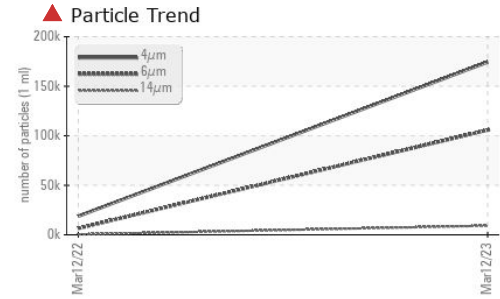
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		174424	18816	---
Particles >6µm	ASTM D7647	>1300	▲ 105796	▲ 6456	---
Particles >14µm	ASTM D7647	>80	▲ 9181	▲ 376	---
Particles >21µm	ASTM D7647	>20	▲ 1376	▲ 80	---
Particles >38µm	ASTM D7647	>4	▲ 173	2	---
Particles >71µm	ASTM D7647	>3	▲ 13	0	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 25/24/20	▲ 20/16	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.0	0.37	0.36	---

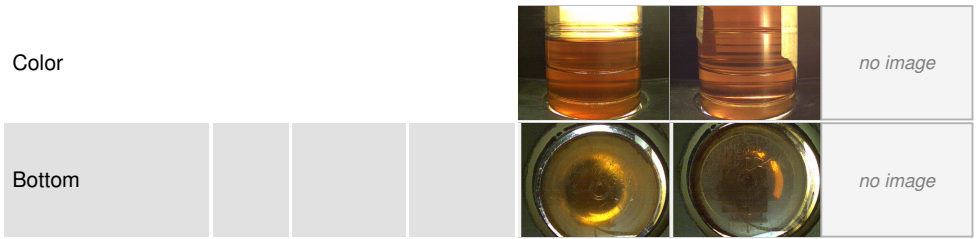
OIL ANALYSIS REPORT



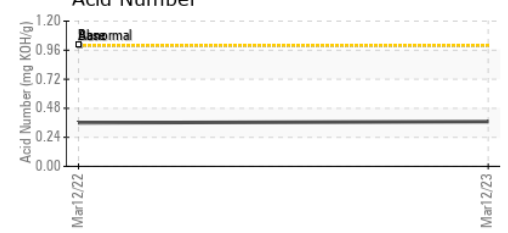
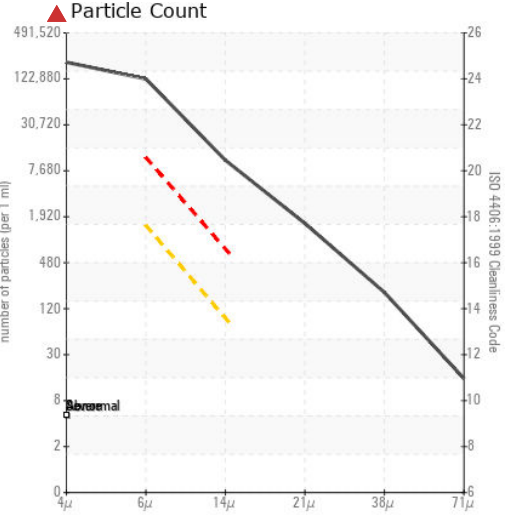
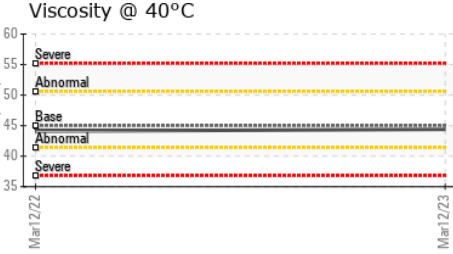
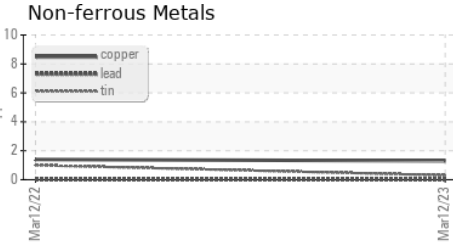
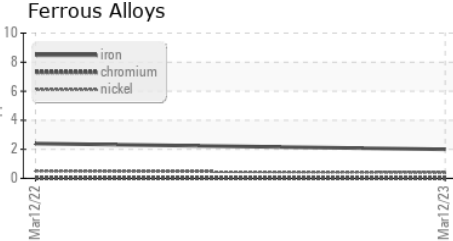
PARAMETER	VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

PARAMETER	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 40°C	cSt	ASTM D445 45	44.4	44.1	---

PARAMETER	method	limit/base	current	history1	history2
SAMPLE IMAGES					



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC97278
Lab Number : 05800350
Unique Number : 10390034
Test Package : IND 2
Received : 23 Mar 2023
Tested : 27 Mar 2023
Diagnosed : 28 Mar 2023 - Angela Borella

C & T WELDING LLC
 242 BELVIEW RD
 PHILLIPSBURG, NJ
 US 08865
 Contact: CHRIS TALLOMY

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)