

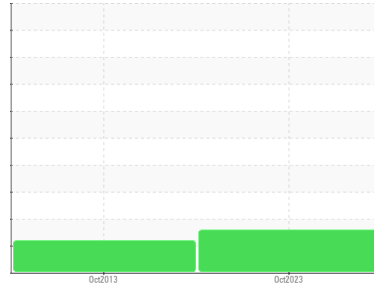


PROBLEM SUMMARY



Machine Id
KAESER ACSM 10 4478733 (S/N 1311)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

Sample Rating Trend

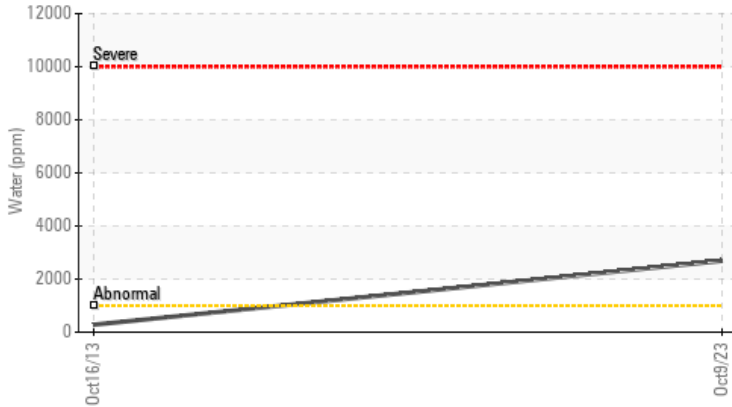


WATER



COMPONENT CONDITION SUMMARY

▲ Water (KF)



RECOMMENDATION

The filter change at the time of sampling has been noted. 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	ABNORMAL	---
Water	%	ASTM D6304	>0.1	▲ 0.269	0.028	---
ppm Water	ppm	ASTM D6304	>1000	▲ 2690	280	---

Customer Id: NEWOXN
 Sample No.: KCPA007936
 Lab Number: 05994397
 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

16 Oct 2013 Diag: Jonathan Hester

ISO



We recommend you service the filters on this component. 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





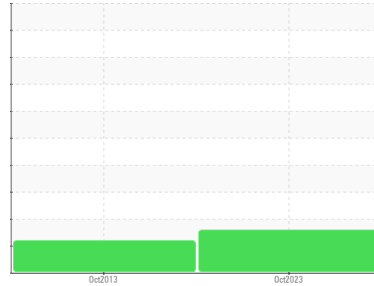
OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Machine Id
KAESER ACSM 10 4478733 (S/N 1311)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)



DIAGNOSIS

▲ Recommendation

The filter change at the time of sampling has been noted. 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. The amount and size of particulates present in the system are acceptable.

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		KCPA007936	KC33485	---
Sample Date	Client Info		09 Oct 2023	16 Oct 2013	---
Machine Age	hrs	Client Info	15852	2192	---
Oil Age	hrs	Client Info	0	2192	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	4	---
Chromium	ppm	ASTM D5185m >5	<1	0	---
Nickel	ppm	ASTM D5185m	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >15	<1	<1	---
Lead	ppm	ASTM D5185m >65	0	0	---
Copper	ppm	ASTM D5185m >65	4	2	---
Tin	ppm	ASTM D5185m >10	<1	0	---
Antimony	ppm	ASTM D5185m	---	0	---
Vanadium	ppm	ASTM D5185m	0	<1	---
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	21	1	---
Molybdenum	ppm	ASTM D5185m 0	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m 100	27	66	---
Calcium	ppm	ASTM D5185m 0	3	<1	---
Phosphorus	ppm	ASTM D5185m 0	45	2	---
Zinc	ppm	ASTM D5185m 0	48	8	---
Sulfur	ppm	ASTM D5185m 23500	28539	20948	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	1	<1	---
Sodium	ppm	ASTM D5185m	11	15	---
Potassium	ppm	ASTM D5185m >20	0	4	---
Water	%	ASTM D6304 >0.1	▲ 0.269	0.028	---
ppm Water	ppm	ASTM D6304 >1000	▲ 2690	280	---

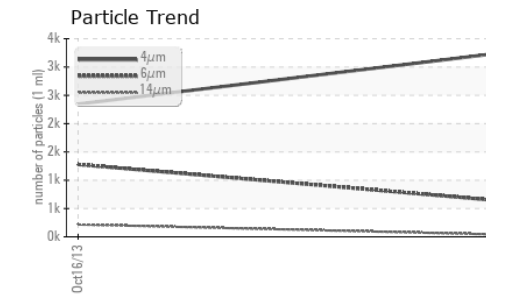
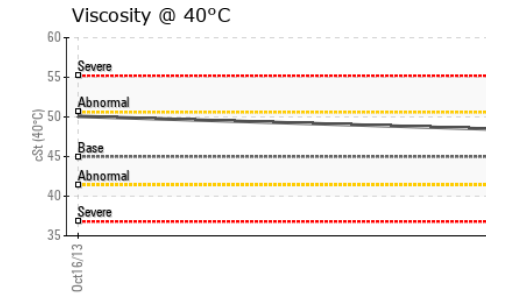
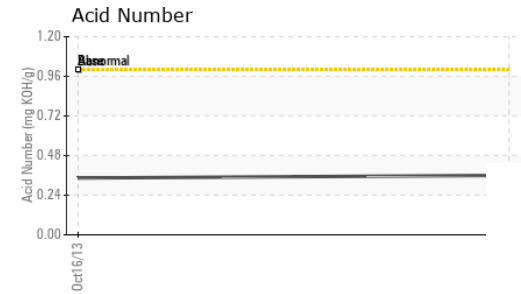
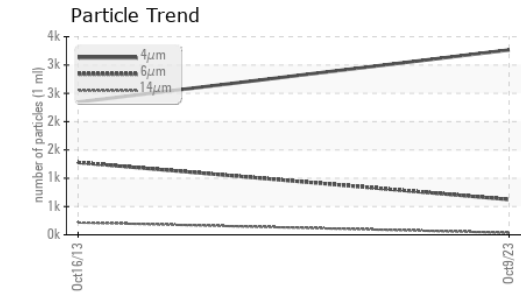
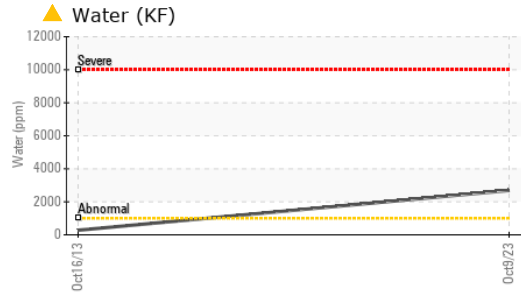
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		3266	2346	---
Particles >6µm	ASTM D7647 >1300		624	1278	---
Particles >14µm	ASTM D7647 >80		36	▲ 217	---
Particles >21µm	ASTM D7647 >20		10	▲ 73	---
Particles >38µm	ASTM D7647 >4		1	▲ 11	---
Particles >71µm	ASTM D7647 >3		0	1	---
Oil Cleanliness	ISO 4406 (c) >--/17/13		19/16/12	▲ 17/15	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.0	0.36	0.344	---

OIL ANALYSIS REPORT



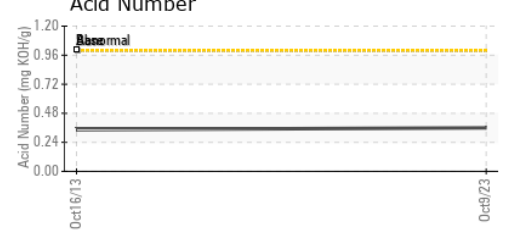
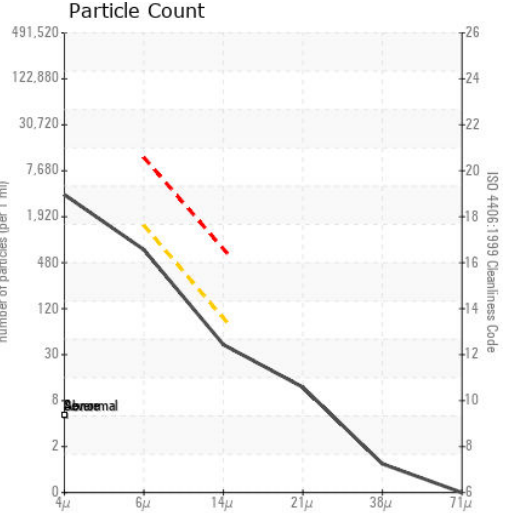
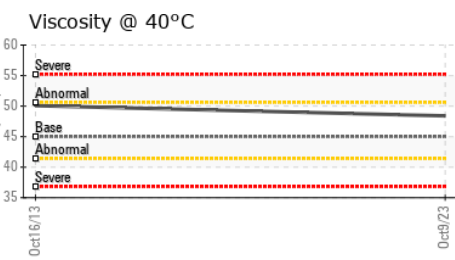
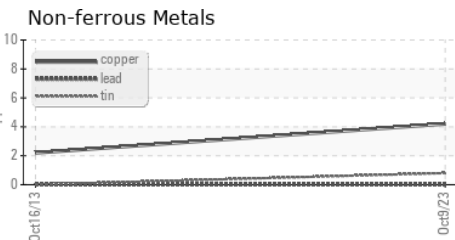
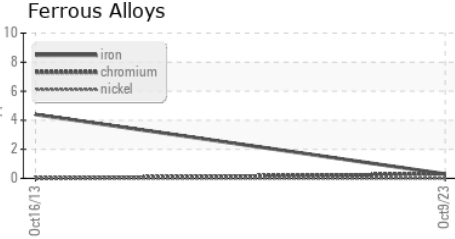
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	48.4	50.08

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA007936 **Received** : 31 Oct 2023
Lab Number : 05994397 **Diagnosed** : 08 Nov 2023
Unique Number : 10722757 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, PrtCount)

NEW ERA BODY SHOP
 1250-A MERCANTILE ST
 OXNARD, CA
 US 93030
 Contact:

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: