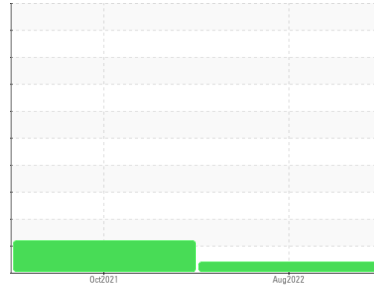


PROBLEM SUMMARY

Sample Rating Trend



VISCOSITY



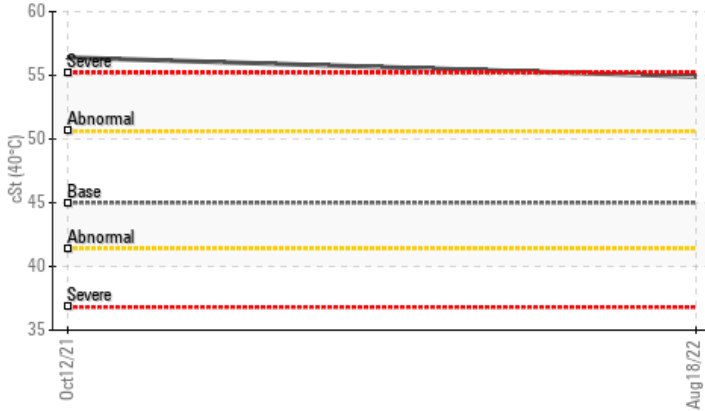
Machine Id
KAESER 4760050

Component
Compressor

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

COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ABNORMAL	---
Visc @ 40°C	cSt	ASTM D445	45	▲ 54.9	56.4	---

Customer Id: AMATRAOAK4
Sample No.: KCP50037
Lab Number: 05627486
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 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.

HISTORICAL DIAGNOSIS

12 Oct 2021 Diag: Doug Bogart

ISO



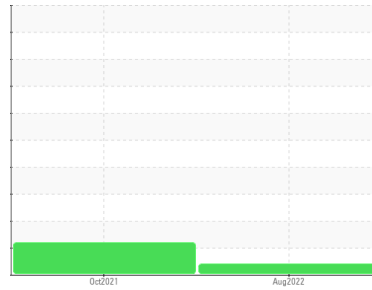
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
KAESER 4760050
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.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

▲ **Fluid Condition**

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

SAMPLE INFORMATION method limit/base current history 1 history 2

Sample Number			KCP50037	KCP36558	---
Sample Date			18 Aug 2022	12 Oct 2021	---
Machine Age	hrs		0	41184	---
Oil Age	hrs		0	0	---
Oil Changed			Changed	Changed	---
Sample Status			ATTENTION	ABNORMAL	---

WEAR METALS method limit/base current history 1 history 2

Iron	ppm	ASTM D5185m	>50	<1	0	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>3	0	0	---
Titanium	ppm	ASTM D5185m	>3	0	0	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>10	2	<1	---
Lead	ppm	ASTM D5185m	>10	<1	0	---
Copper	ppm	ASTM D5185m	>50	7	8	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Antimony	ppm	ASTM D5185m		---	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
Cadmium	ppm	ASTM D5185m		<1	0	---

ADDITIVES method limit/base current history 1 history 2

Boron	ppm	ASTM D5185m	0	0	18	---
Barium	ppm	ASTM D5185m	90	33	32	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m	100	66	47	---
Calcium	ppm	ASTM D5185m	0	1	3	---
Phosphorus	ppm	ASTM D5185m	0	0	4	---
Zinc	ppm	ASTM D5185m	0	2	15	---
Sulfur	ppm	ASTM D5185m	23500	22051	18914	---

CONTAMINANTS method limit/base current history 1 history 2

Silicon	ppm	ASTM D5185m	>25	1	1	---
Sodium	ppm	ASTM D5185m		20	32	---
Potassium	ppm	ASTM D5185m	>20	6	8	---
Water	%	ASTM D6304	>0.05	0.018	0.008	---
ppm Water	ppm	ASTM D6304	>500	184.6	88.6	---

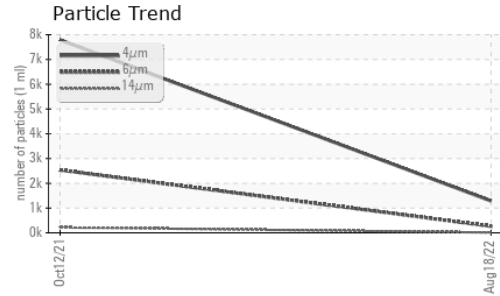
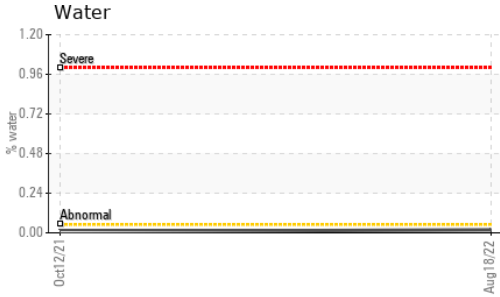
FLUID CLEANLINESS method limit/base current history 1 history 2

Particles >4µm		ASTM D7647		1287	7791	---
Particles >6µm		ASTM D7647	>1300	265	▲ 2534	---
Particles >14µm		ASTM D7647	>80	10	▲ 218	---
Particles >21µm		ASTM D7647	>20	1	▲ 36	---
Particles >38µm		ASTM D7647	>4	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	17/15/10	▲ 19/15	---

FLUID DEGRADATION method limit/base current history 1 history 2

Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.46	0.455	---
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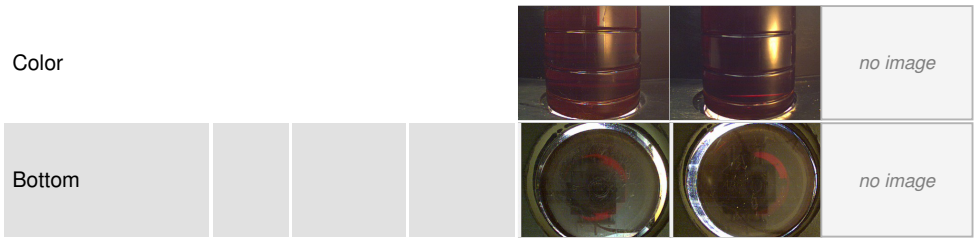
OIL ANALYSIS REPORT



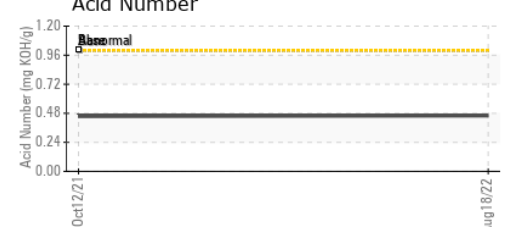
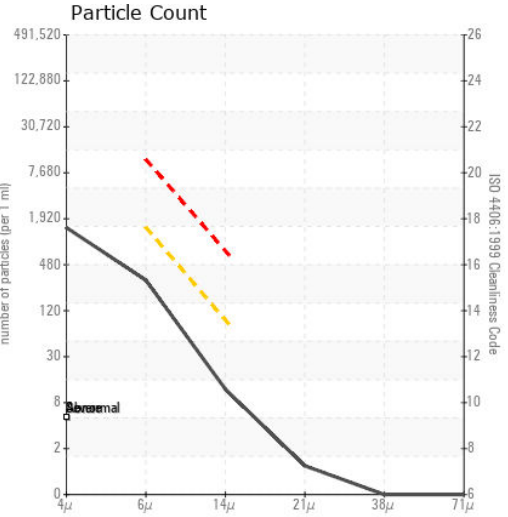
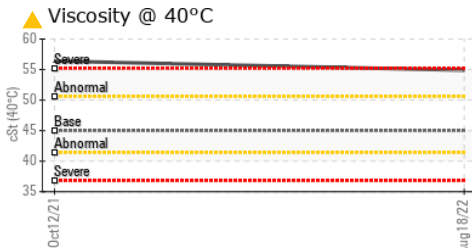
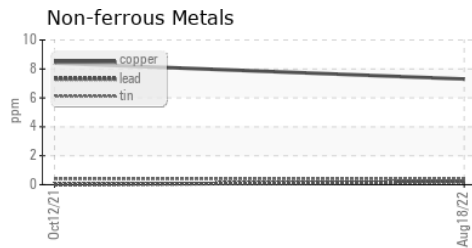
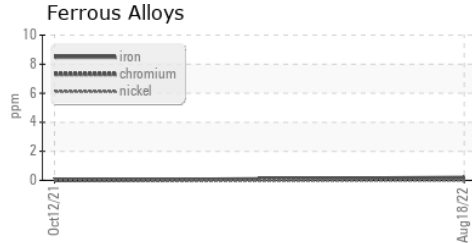
VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	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	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	45	▲ 54.9	56.4	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP50037 **Received** : 25 Aug 2022
Lab Number : 05627486 **Diagnosed** : 28 Aug 2022
Unique Number : 10112007 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

AMAZON OAK 4
 1555 N CHRISMAN RD
 TRACY, CA
 USA 95304
 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: