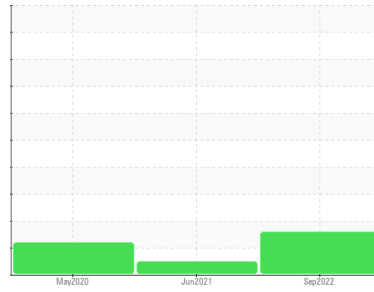


PROBLEM SUMMARY

Sample Rating Trend



ISO



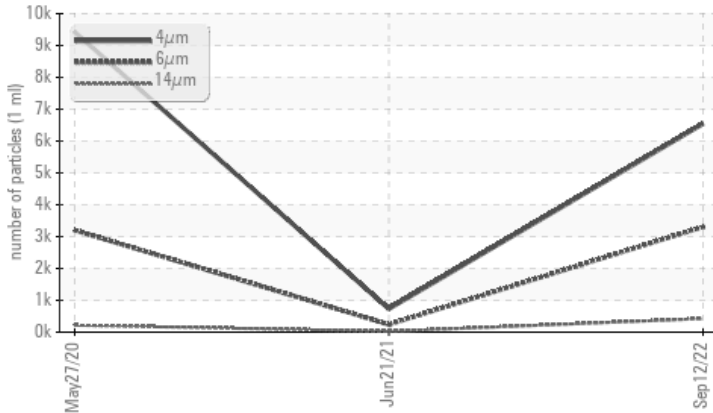
Machine Id
KAESER 6725505

Component
Compressor

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

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	ABNORMAL
Particles >6µm	ASTM D7647	>1300	▲ 3303	240	▲ 3201
Particles >14µm	ASTM D7647	>80	▲ 425	25	▲ 218
Particles >21µm	ASTM D7647	>20	▲ 69	9	▲ 41
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/19/16	15/12	▲ 19/15

Customer Id: INSDAL
Sample No.: KCP50255
Lab Number: 05648332
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@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 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

21 Jun 2021 Diag: Angela Borella

NORMAL



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. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



27 May 2020 Diag: Don Baldrige

ISO

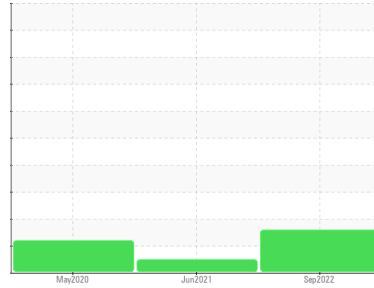


No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid.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

[view report](#)



Machine Id
KAESER 6725505
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)



DIAGNOSIS

Recommendation

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.

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			KCP50255	KCP32938	KCP24328
Sample Date			12 Sep 2022	21 Jun 2021	27 May 2020
Machine Age	hrs		3572	1997	1086
Oil Age	hrs		1575	911	1086
Oil Changed			Changed	Changed	Changed
Sample Status			ABNORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	<1	<1	<1
Chromium	ppm ASTM D5185m	>10	0	0	0
Nickel	ppm ASTM D5185m	>3	0	0	0
Titanium	ppm ASTM D5185m	>3	0	0	0
Silver	ppm ASTM D5185m	>2	0	<1	<1
Aluminum	ppm ASTM D5185m	>10	<1	0	<1
Lead	ppm ASTM D5185m	>10	0	<1	<1
Copper	ppm ASTM D5185m	>50	7	3	4
Tin	ppm ASTM D5185m	>10	0	<1	0
Antimony	ppm ASTM D5185m		---	0	0
Vanadium	ppm ASTM D5185m		0	0	0
Cadmium	ppm ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m		0	<1	<1
Barium	ppm ASTM D5185m	90	0	<1	<1
Molybdenum	ppm ASTM D5185m		0	0	0
Manganese	ppm ASTM D5185m		0	<1	<1
Magnesium	ppm ASTM D5185m	90	32	49	51
Calcium	ppm ASTM D5185m	2	0	<1	2
Phosphorus	ppm ASTM D5185m		9	2	6
Zinc	ppm ASTM D5185m		11	0	7
Sulfur	ppm ASTM D5185m		20912	16267	14290

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	<1	<1	<1
Sodium	ppm ASTM D5185m		11	17	19
Potassium	ppm ASTM D5185m	>20	2	2	3
Water	% ASTM D6304	>0.05	0.017	0.029	0.027
ppm Water	ppm ASTM D6304	>500	176.5	290.7	274.4

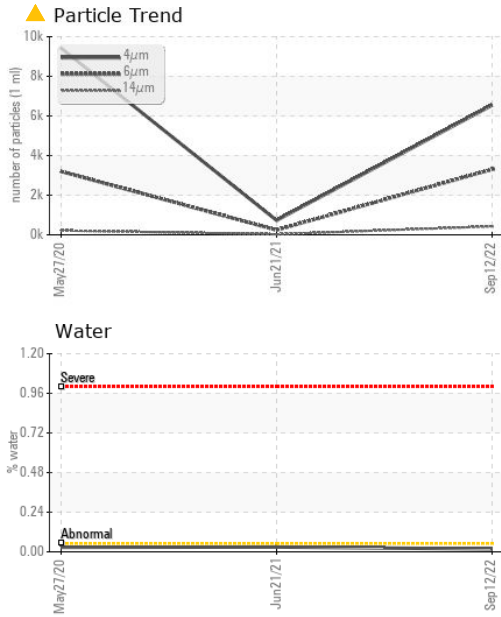
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		6542	729	9423
Particles >6µm	ASTM D7647	>1300	▲ 3303	240	▲ 3201
Particles >14µm	ASTM D7647	>80	▲ 425	25	▲ 218
Particles >21µm	ASTM D7647	>20	▲ 69	9	▲ 41
Particles >38µm	ASTM D7647	>4	1	0	0
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/19/16	15/12	▲ 19/15

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.4	0.33	0.334	0.345

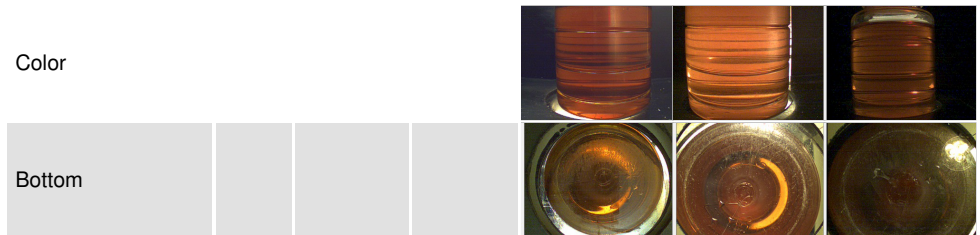
OIL ANALYSIS REPORT



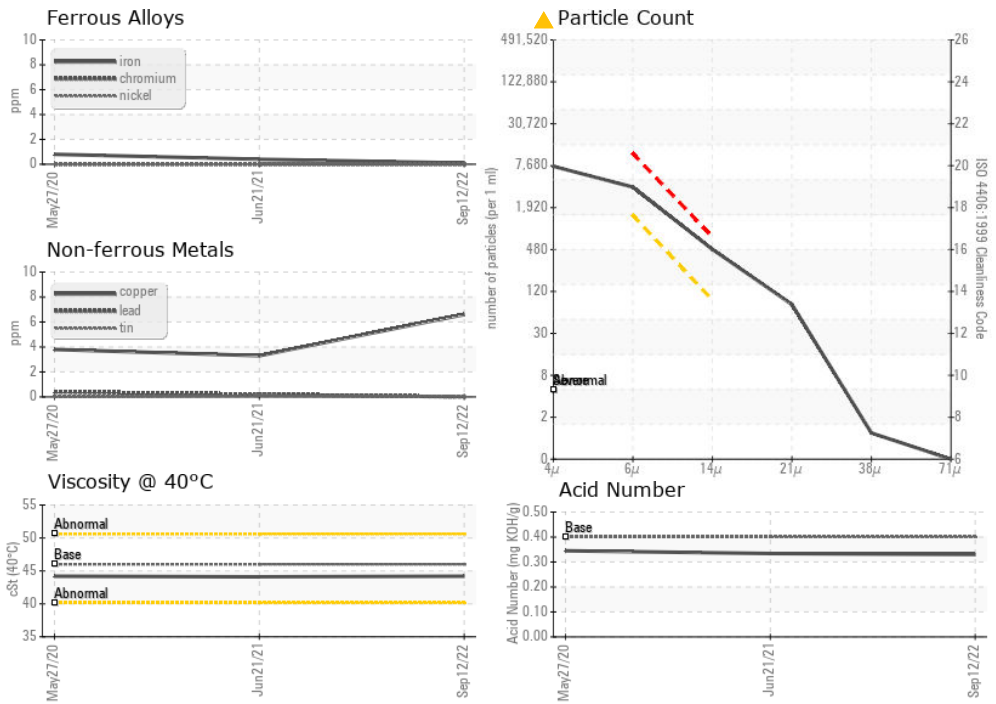
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	46	44.2	44.2

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP50255 **Received** : 22 Sep 2022
Lab Number : 05648332 **Diagnosed** : 24 Sep 2022
Unique Number : 10142871 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PrtCount)

INSTITUTE FOR CREATION RESEARCH
 1806 ROYAL LN
 DALLAS, TX
 USA 75229
 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: