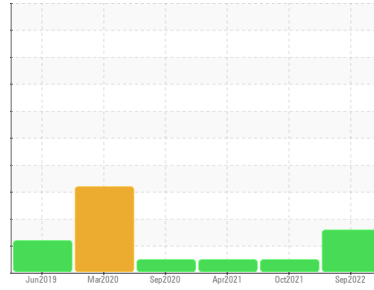


PROBLEM SUMMARY

Sample Rating Trend



ISO



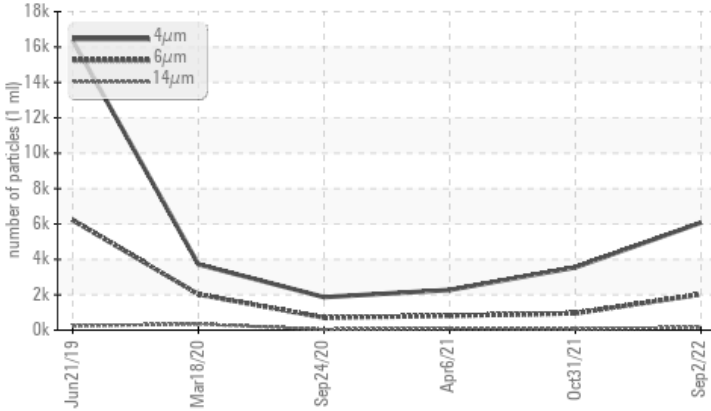
Machine Id
KAESER BSD 50 6341460 (S/N 1869)

Component
Compressor

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

COMPONENT CONDITION SUMMARY

▲ Particle Trend



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	NORMAL	NORMAL
Particles >6µm	ASTM D7647	>1300	▲ 2023	954	814
Particles >14µm	ASTM D7647	>80	▲ 158	70	95
Particles >21µm	ASTM D7647	>20	▲ 29	20	28
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/18/14	17/13	17/14

Customer Id: MORMORTENN

Sample No.: KCP50325

Lab Number: 05635036

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

31 Oct 2021 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. 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



06 Apr 2021 Diag: Angela Borella

NORMAL



No corrective action is recommended at this time. The 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



24 Sep 2020 Diag: Angela Borella

NORMAL



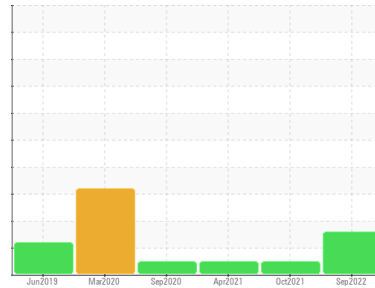
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Machine Id
KAESER BSD 50 6341460 (S/N 1869)

Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- QTS)



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

There is a moderate 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			KCP50325	KCP36119	KCP32617
Sample Date			02 Sep 2022	31 Oct 2021	06 Apr 2021
Machine Age	hrs		18530	13323	10585
Oil Age	hrs		5206	5097	2359
Oil Changed			Changed	Changed	Not Changed
Sample Status			ATTENTION	NORMAL	NORMAL

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	0
Aluminum	ppm ASTM D5185m	>10	<1	0	<1
Lead	ppm ASTM D5185m	>10	0	<1	0
Copper	ppm ASTM D5185m	>50	15	29	3
Tin	ppm ASTM D5185m	>10	0	0	0
Antimony	ppm ASTM D5185m		---	<1	<1
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	0	10
Barium	ppm ASTM D5185m	90	0	0	30
Molybdenum	ppm ASTM D5185m		0	0	0
Manganese	ppm ASTM D5185m		<1	<1	0
Magnesium	ppm ASTM D5185m	90	13	26	63
Calcium	ppm ASTM D5185m	2	0	0	2
Phosphorus	ppm ASTM D5185m		2	4	4
Zinc	ppm ASTM D5185m		16	21	11
Sulfur	ppm ASTM D5185m		17515	18285	13282

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	0	<1	0
Sodium	ppm ASTM D5185m		5	15	20
Potassium	ppm ASTM D5185m	>20	2	7	4
Water	% ASTM D6304	>0.05	0.018	0.018	0.021
ppm Water	ppm ASTM D6304	>500	182.4	183.2	213.8

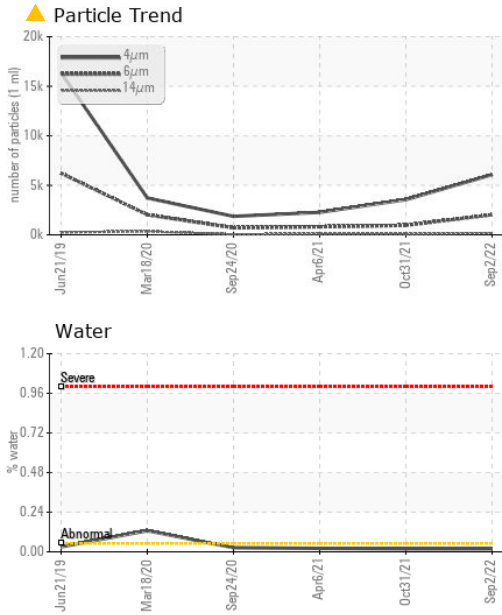
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		6076	3547	2272
Particles >6µm	ASTM D7647	>1300	▲ 2023	954	814
Particles >14µm	ASTM D7647	>80	▲ 158	70	95
Particles >21µm	ASTM D7647	>20	▲ 29	20	28
Particles >38µm	ASTM D7647	>4	4	1	2
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/18/14	17/13	17/14

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.4	0.36	0.407	0.371

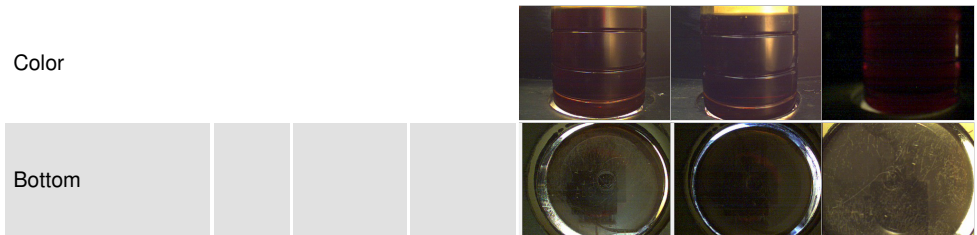
OIL ANALYSIS REPORT



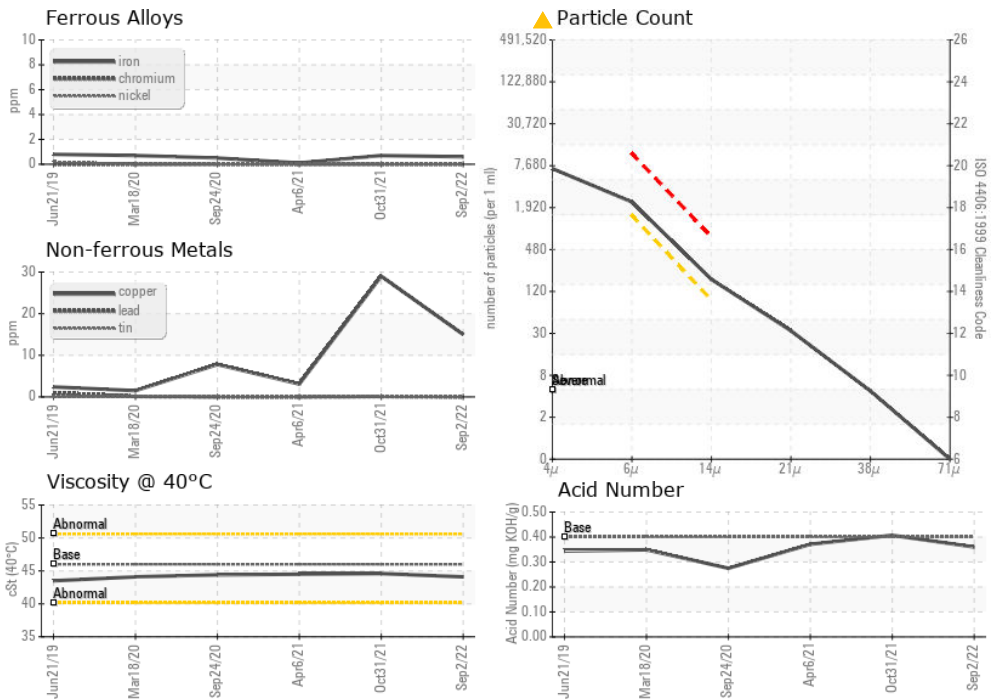
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 46	44.1	44.6	44.5

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. : KCP50325 **Received** : 06 Sep 2022
Lab Number : 05635036 **Diagnosed** : 08 Sep 2022
Unique Number : 10124566 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

MORRISTOWN MANUFACTURING - IATRIC
 328 HAMBLEN AVE
 MORRISTOWN, TN
 USA 37813
 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)