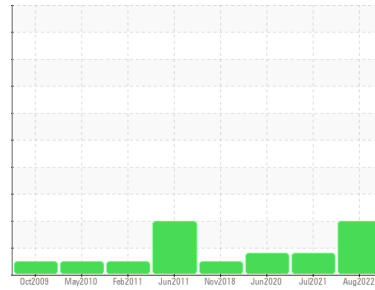


PROBLEM SUMMARY

Sample Rating Trend



ISO



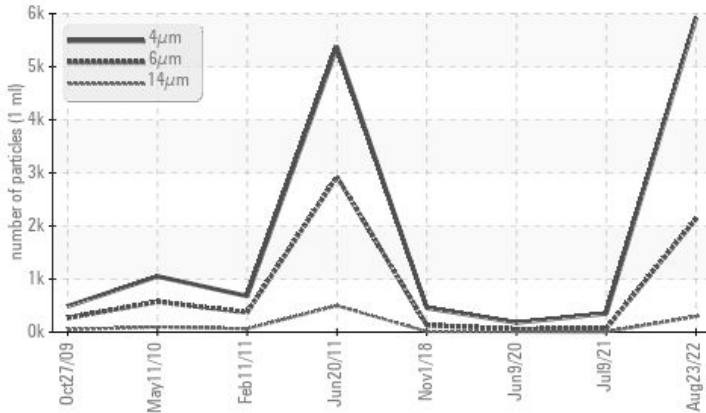
Machine Id
KAESER SM 7.5T 3487761 (S/N 1024)

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	ABNORMAL	ABNORMAL
Particles >6µm	ASTM D7647	>1300	▲ 2134	68	54
Particles >14µm	ASTM D7647	>80	▲ 294	5	10
Particles >21µm	ASTM D7647	>20	▲ 79	2	4
Particles >38µm	ASTM D7647	>4	▲ 6	0	0
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/18/15	13/10	13/10

Customer Id: NORHAM
Sample No.: KCP48288
Lab Number: 05635051
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

09 Jul 2021 Diag: Angela Borella

WEAR



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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



09 Jun 2020 Diag: Angela Borella

WEAR



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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



01 Nov 2018 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



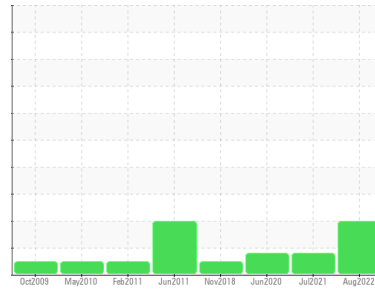
Machine Id
KAESER SM 7.5T 3487761 (S/N 1024)

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		KCP48288	KCP42066	KCP10652
Sample Date		23 Aug 2022	09 Jul 2021	09 Jun 2020
Machine Age	hrs	99999	99999	93285
Oil Age	hrs	0	6714	12446
Oil Changed		Changed	Changed	Changed
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m >50	0	0	0
Chromium	ppm ASTM D5185m >10	0	0	0
Nickel	ppm ASTM D5185m >3	0	0	<1
Titanium	ppm ASTM D5185m >3	0	0	0
Silver	ppm ASTM D5185m >2	0	<1	0
Aluminum	ppm ASTM D5185m >10	<1	<1	0
Lead	ppm ASTM D5185m >10	0	0	0
Copper	ppm ASTM D5185m >50	17	▲ 93	▲ 116
Tin	ppm ASTM D5185m >10	<1	<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	6	9	0
Barium	ppm ASTM D5185m 90	0	0	0
Molybdenum	ppm ASTM D5185m	0	0	0
Manganese	ppm ASTM D5185m	0	0	0
Magnesium	ppm ASTM D5185m 90	4	0	0
Calcium	ppm ASTM D5185m 2	0	0	0
Phosphorus	ppm ASTM D5185m	3	4	0
Zinc	ppm ASTM D5185m	41	10	19
Sulfur	ppm ASTM D5185m	14222	9829	10062

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m >25	<1	0	<1
Sodium	ppm ASTM D5185m	2	<1	0
Potassium	ppm ASTM D5185m >20	0	0	2
Water	% ASTM D6304 >0.05	0.010	0.006	0.007
ppm Water	ppm ASTM D6304 >500	101.3	67.6	78.1

FLUID CLEANLINESS

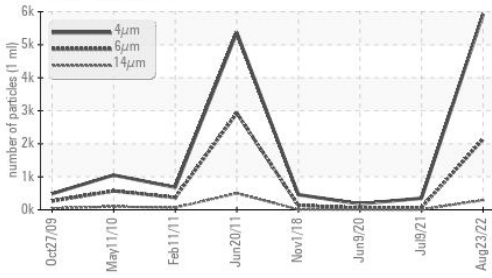
method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	5923	350	180
Particles >6µm	ASTM D7647 >1300	▲ 2134	68	54
Particles >14µm	ASTM D7647 >80	▲ 294	5	10
Particles >21µm	ASTM D7647 >20	▲ 79	2	4
Particles >38µm	ASTM D7647 >4	▲ 6	0	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 20/18/15	13/10	13/10

FLUID DEGRADATION

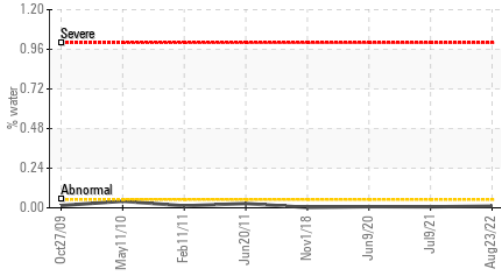
method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045 0.4	0.25	0.323	0.275

OIL ANALYSIS REPORT

▲ Particle Trend



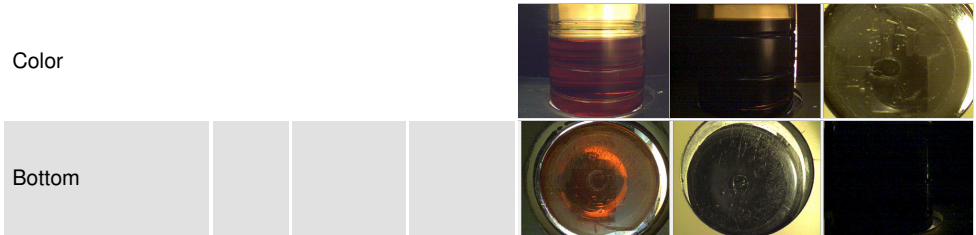
Water



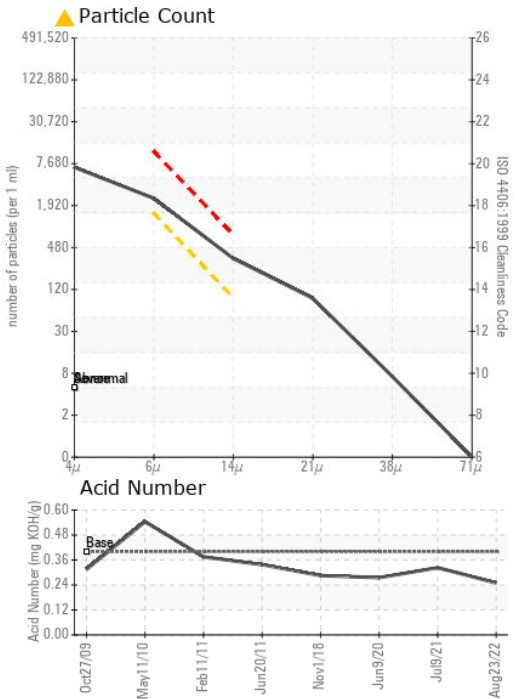
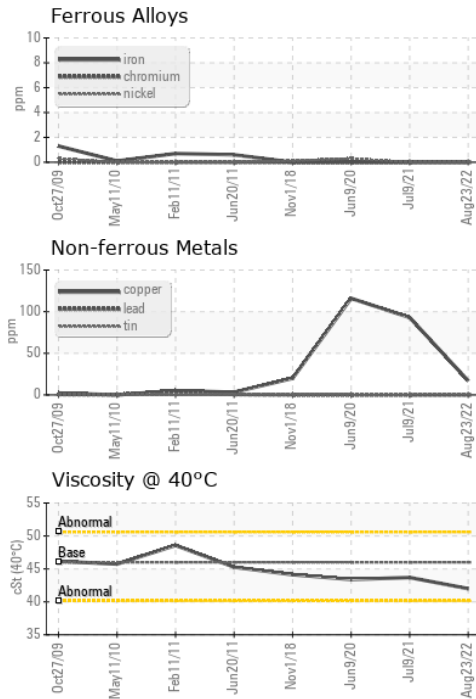
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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 46	42.0	43.7	43.4

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. : KCP48288 **Received** : 06 Sep 2022
Lab Number : 05635051 **Diagnosed** : 08 Sep 2022
Unique Number : 10124581 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

NORTHEAST LABS
 925 SHERMAN AVE.
 HAMDEN, CT
 USA

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: