

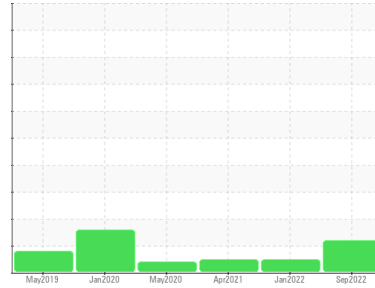
PROBLEM SUMMARY

Sample Rating Trend

ISO

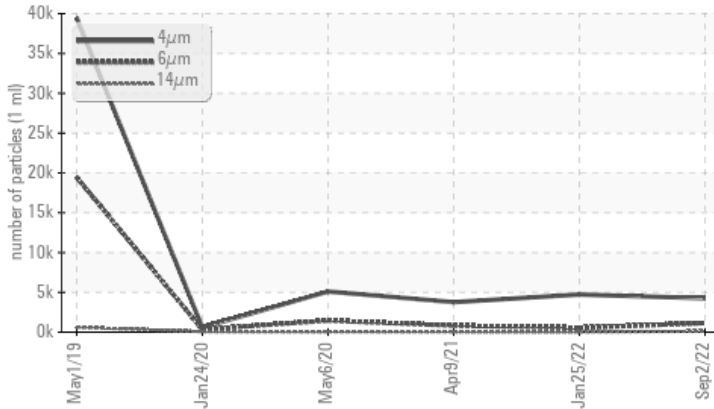


Machine Id
KAESER SFC 30 6328329 (S/N 1004)
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	NORMAL	NORMAL
Particles >14µm	ASTM D7647	>80	▲ 106	28	38
Particles >21µm	ASTM D7647	>20	▲ 27	10	7
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 19/17/14	16/12	17/12

Customer Id: DUPVAL
Sample No.: KC104910
Lab Number: 05639120
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

25 Jan 2022 Diag: Don Baldrige

NORMAL



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. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



09 Apr 2021 Diag: Angela Borella

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 May 2020 Diag: Jonathan Hester

ISO

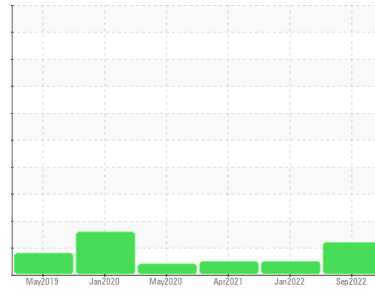


No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Machine Id
KAESER SFC 30 6328329 (S/N 1004)
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)



DIAGNOSIS

▲ Recommendation

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.

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			KC104910	KC95273	KC90460
Sample Date			02 Sep 2022	25 Jan 2022	09 Apr 2021
Machine Age	hrs		9991	6596	6428
Oil Age	hrs		3900	500	140
Oil Changed			Not Changed	Not Changed	Not Changed
Sample Status			ATTENTION	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	0	2	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	<1	0	0
Aluminum	ppm ASTM D5185m	>10	<1	10	8
Lead	ppm ASTM D5185m	>10	<1	0	0
Copper	ppm ASTM D5185m	>50	14	12	6
Tin	ppm ASTM D5185m	>10	<1	0	<1
Antimony	ppm ASTM D5185m		---	0	<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	21	8
Barium	ppm ASTM D5185m	90	<1	0	0
Molybdenum	ppm ASTM D5185m		0	0	0
Manganese	ppm ASTM D5185m		0	<1	<1
Magnesium	ppm ASTM D5185m	90	2	39	47
Calcium	ppm ASTM D5185m	2	0	0	0
Phosphorus	ppm ASTM D5185m		11	4	2
Zinc	ppm ASTM D5185m		0	71	48

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	9	2	0
Sodium	ppm ASTM D5185m		<1	13	14
Potassium	ppm ASTM D5185m	>20	<1	4	9
Water	% ASTM D6304	>0.05	0.004	0.008	0.018
ppm Water	ppm ASTM D6304	>500	40.0	88.9	187.3

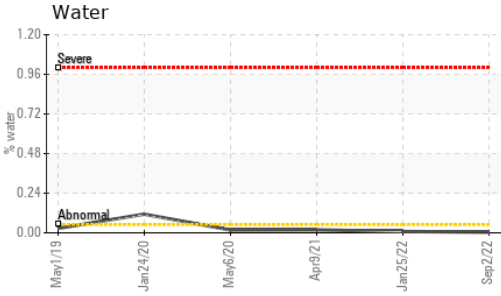
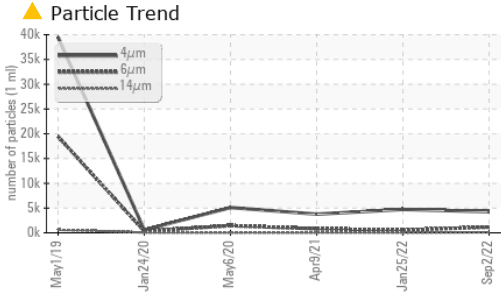
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		4255	4730	3765
Particles >6µm	ASTM D7647	>1300	1149	543	809
Particles >14µm	ASTM D7647	>80	▲ 106	28	38
Particles >21µm	ASTM D7647	>20	▲ 27	10	7
Particles >38µm	ASTM D7647	>4	1	0	0
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 19/17/14	16/12	17/12

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.4	0.33	0.34	0.372

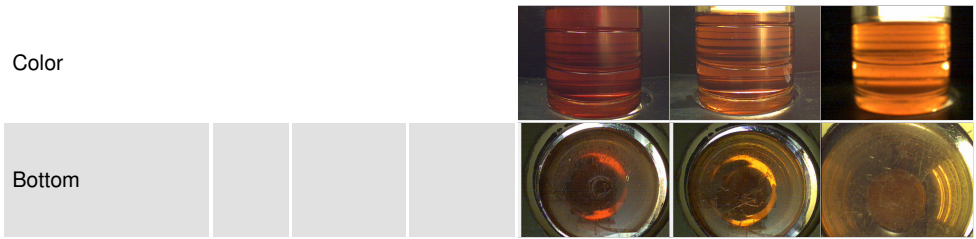
OIL ANALYSIS REPORT



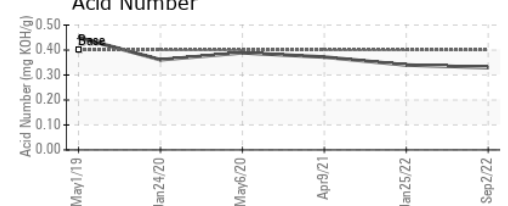
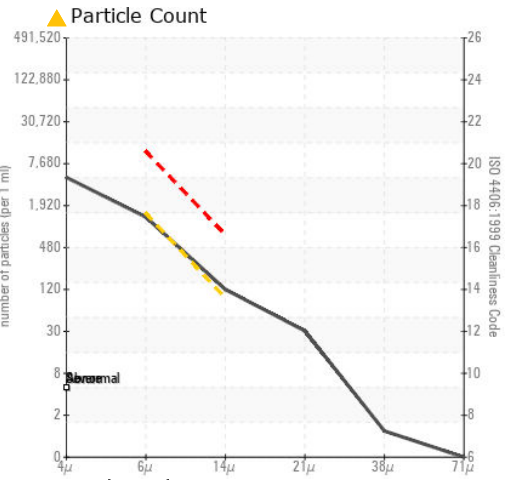
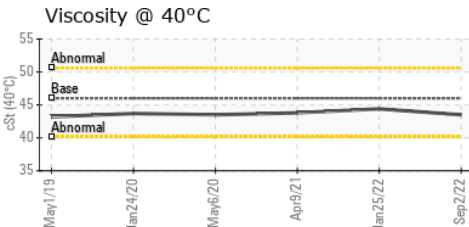
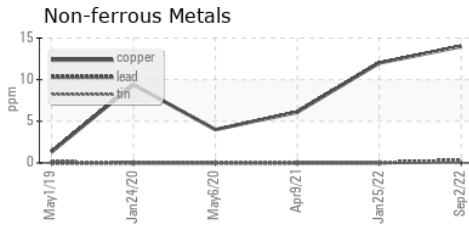
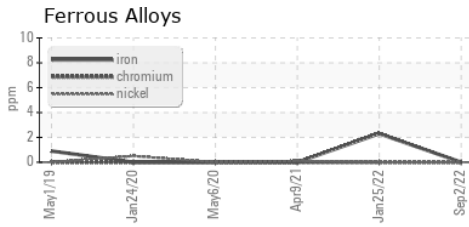
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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 46	43.5	44.4	43.8

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. : KC104910 **Received** : 12 Sep 2022
Lab Number : 05639120 **Diagnosed** : 14 Sep 2022
Unique Number : 10128650 **Diagnostician** : Jonathan Hester
Test Package : IND 2

DUPONT
 6200 HILLCREST
 VALLEY VIEW, OH
 USA 44125
 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: