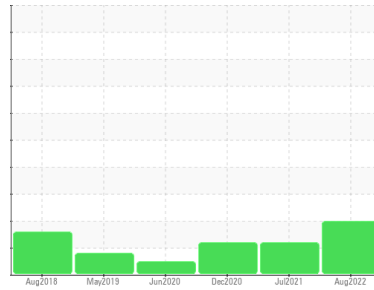


PROBLEM SUMMARY

Sample Rating Trend



ISO



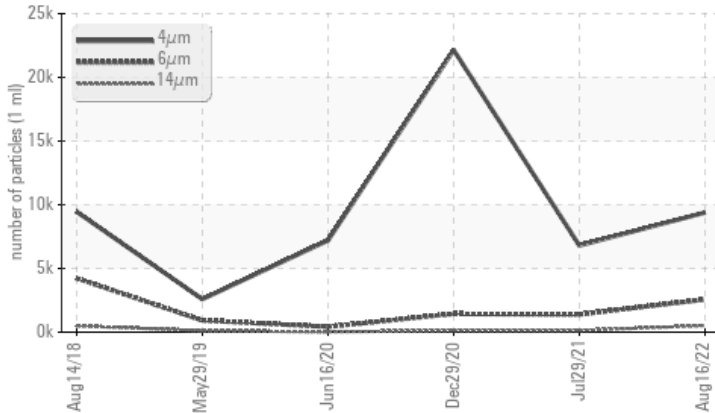
Machine Id
KAESER SFC 37 4451836 (S/N 1037)

Component
Compressor

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

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			ABNORMAL	ATTENTION	ATTENTION
Particles >6µm	ASTM D7647	>1300	▲ 2571	▲ 1391	▲ 1432
Particles >14µm	ASTM D7647	>80	▲ 516	▲ 122	▲ 120
Particles >21µm	ASTM D7647	>20	▲ 156	▲ 40	▲ 45
Particles >38µm	ASTM D7647	>4	▲ 16	3	3
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/19/16	▲ 18/14	▲ 18/14

Customer Id: SAIBRIRI
Sample No.: KCP48128
Lab Number: 05635097
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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

29 Jul 2021 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 moderate 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



29 Dec 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 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



16 Jun 2020 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.

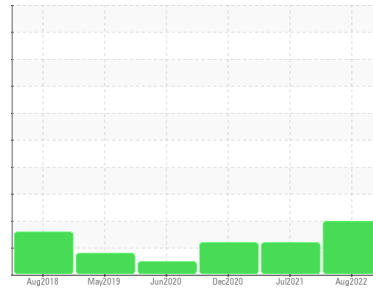
view report



Machine Id
KAESER SFC 37 4451836 (S/N 1037)

Component
Compressor

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



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 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			KCP48128	KCP37539	KC91264
Sample Date			16 Aug 2022	29 Jul 2021	29 Dec 2020
Machine Age	hrs		82049	72875	67792
Oil Age	hrs		4464	5083	4701
Oil Changed			Not Changed	Changed	Not Changed
Sample Status			ABNORMAL	ATTENTION	ATTENTION

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	0	0	<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	0	0
Aluminum	ppm ASTM D5185m	>10	<1	0	<1
Lead	ppm ASTM D5185m	>10	0	<1	0
Copper	ppm ASTM D5185m	>50	13	12	6
Tin	ppm ASTM D5185m	>10	0	0	<1
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	0	10
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	<1	<1	8
Calcium	ppm ASTM D5185m	2	0	0	0
Phosphorus	ppm ASTM D5185m		<1	3	1
Zinc	ppm ASTM D5185m		17	10	21
Sulfur	ppm ASTM D5185m		15279	14194	16954

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	0	<1	<1
Sodium	ppm ASTM D5185m		3	1	7
Potassium	ppm ASTM D5185m	>20	0	<1	<1
Water	% ASTM D6304	>0.05	0.013	0.006	0.004
ppm Water	ppm ASTM D6304	>500	135.6	68.7	46.9

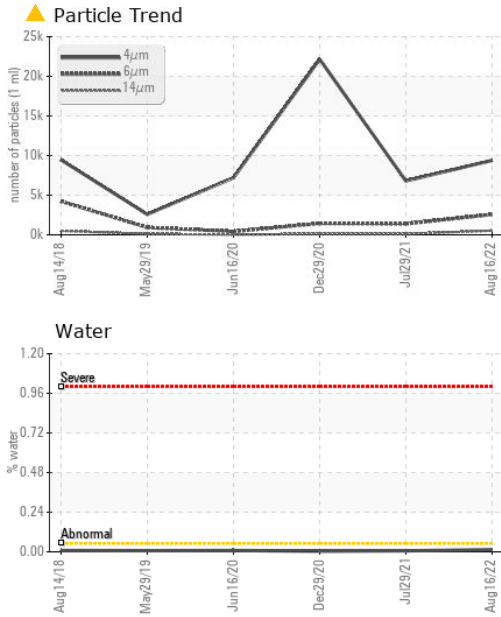
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		9388	6801	22144
Particles >6µm	ASTM D7647	>1300	▲ 2571	▲ 1391	▲ 1432
Particles >14µm	ASTM D7647	>80	▲ 516	▲ 122	▲ 120
Particles >21µm	ASTM D7647	>20	▲ 156	▲ 40	▲ 45
Particles >38µm	ASTM D7647	>4	▲ 16	3	3
Particles >71µm	ASTM D7647	>3	1	0	0
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/19/16	▲ 18/14	▲ 18/14

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.4	0.42	0.426	0.394

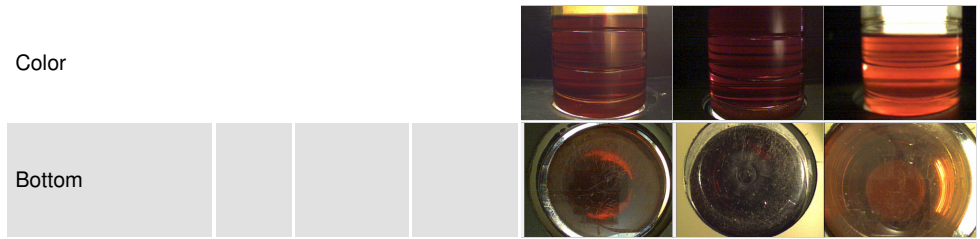
OIL ANALYSIS REPORT



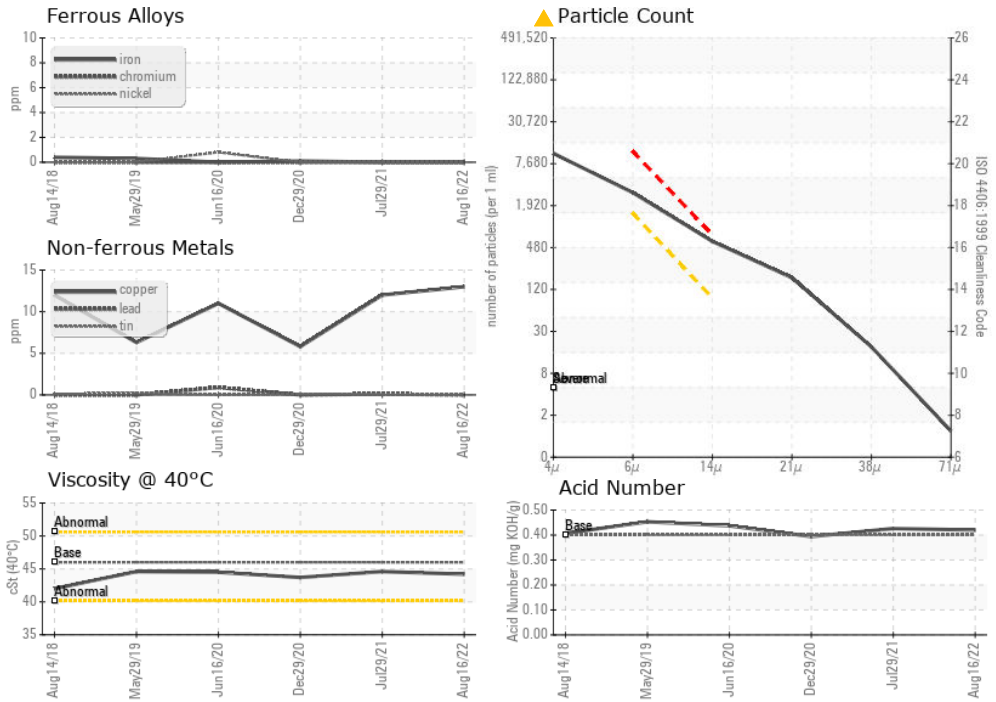
PARAMETER	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	44.6	43.7

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. : KCP48128 **Received** : 06 Sep 2022
Lab Number : 05635097 **Diagnosed** : 08 Sep 2022
Unique Number : 10124627 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

SAINT-GOBAIN PPL CORP
 386 METACOM AVE
 BRISTOL, RI
 USA 02809
 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: