

PROBLEM SUMMARY

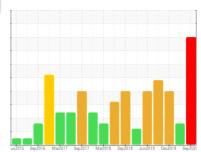
Sample Rating Trend

WATER

KAESER SK 7.5 4702064 (S/N 1135)

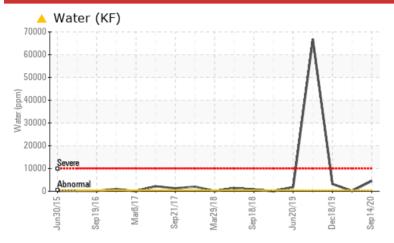
Compressor

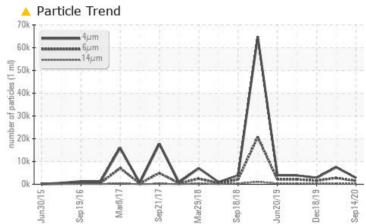
KAESER SIGMA (OEM) S-460 (--- GAL)





COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you shut down the unit and follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	ABNORMAL	ABNORMAL		
Water	%	ASTM D6304	>0.05	△ 0.452	0.014	△ 0.317		
ppm Water	ppm	ASTM D6304	>500	4520	140.4	△ 3170		
Particles >6µm		ASTM D7647	>1300	1510	<u>^</u> 2752	<u>▲</u> 1557		
Particles >14µm		ASTM D7647	>80	257	<u> </u>	<u>^</u> 265		
Particles >21µm		ASTM D7647	>20	<u> </u>	<u>^</u> 89	8 9		
Particles >38µm		ASTM D7647	>4	13	<u> 5</u>	▲ 13		
Oil Cleanliness		ISO 4406 (c)	>17/13	18/15	<u></u> 19/15	<u>▲</u> 18/15		
Free Water	scalar	*Visual		1.0	NEG	NEG		

Customer Id: MERGAI Sample No.: KC05075874 Lab Number: 05075874 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@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		
Water Drain-off			?	We advise that you follow the water drain-off procedure for this component.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS

09 Apr 2020 Diag: Jonathan Hester

ISO



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.



18 Dec 2019 Diag: Jonathan Hester

WATER



We advise that you stop the unit and follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. All component wear rates are normal. Appearance is hazy. There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

24 Sep 2019 Diag: Jonathan Hester

WATER



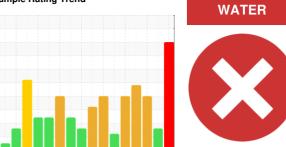
We advise that you stop the unit and follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. All component wear rates are normal. There is a high amount of particulates present in the oil. There is a high concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



N / - - | - | - | - | - |

KAESER SK 7.5 4702064 (S/N 1135)

Component

Compressor

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

DIAGNOSIS

Recommendation

We advise that you shut down the unit and follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. Free water present.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		un2015 Sep2	016 Mar2017 Sep2017	Mar2018 Sep2018 Jun2019 Dec	2019 Sep2021	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC05075874	KC04958729	KC04884895
Sample Date		Client Info		14 Sep 2020	09 Apr 2020	18 Dec 2019
Machine Age	hrs	Client Info		37122	34849	33194
Oil Age	hrs	Client Info		2273	11049	4175
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				SEVERE	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	1	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	15	7	12
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		10	0	<1
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	0	0
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		2	0	<1
Zinc	ppm	ASTM D5185m		8	0	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	△ 0.452	0.014	△ 0.317
ppm Water	ppm	ASTM D6304	>500	4520	140.4	▲ 3170
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2773	7452	2859
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>^</u> 2752	<u>▲</u> 1557
Particles >14µm		ASTM D7647	>80	<u> </u>	<u>^</u> 286	<u>^</u> 265
Particles >21µm		ASTM D7647	>20	<u>^</u> 87	A 89	▲ 89
Particles >38μm		ASTM D7647	>4	1 3	<u></u> 5	<u> </u>
Particles >71μm		ASTM D7647	>3	1	0	1
Oil Cleanliness		ISO 4406 (c)	>17/13	▲ 18/15	△ 19/15	▲ 18/15
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	ma I/OII/-	ACTM DODAE	0.4	0.050	0.000	0.000

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.262

0.259

0.266



OIL ANALYSIS REPORT

