

PROBLEM SUMMARY

Sample Rating Trend

ISO

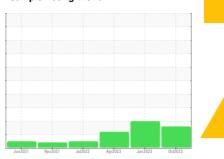
Machine Id

KAESER SK 20 7230929 (S/N 1568)

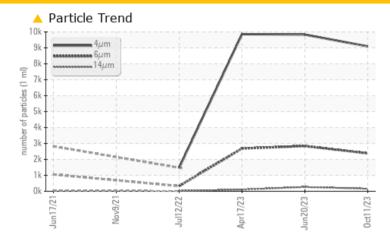
Component

Compressor

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



COMPONENT CONDITION SUMMARY



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	ABNORMAL	ABNORMAL			
Particles >6µm	ASTM D7647	>1300	2378	<u>^</u> 2838	<u>^</u> 2683			
Particles >14µm	ASTM D7647	>80	159	<u>^</u> 269	<u> </u>			
Particles >21µm	ASTM D7647	>20	45	<u>^</u> 74	17			
Oil Cleanliness	ISO 4406 (c)	>/17/13	20/18/14	20/19/15	20/19/14			

Customer Id: MORALL Sample No.: KC111256 Lab Number: 05981232 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

20 Jun 2023 Diag: Doug Bogart

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 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.



17 Apr 2023 Diag: Don Baldridge

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 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.



12 Jul 2022 Diag: Angela Borella

NORMAL



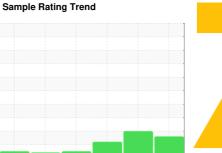
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for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





OIL ANALYSIS REPORT

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ISO

Machine Id

KAESER SK 20 7230929 (S/N 1568)

Component

Compressor

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.

		Jun 2021	Nov2021 Jul2022	Apr2023 Jun2023	0ct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC111256	KC110994	KC111000
Sample Date		Client Info		11 Oct 2023	20 Jun 2023	17 Apr 2023
Machine Age	hrs	Client Info		30912	28202	26666
Oil Age	hrs	Client Info		2710	4650	6687
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ATTENTION	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	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	2	6	5
Tin	ppm	ASTM D5185m	>10	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		0	0	0
Barium	ppm	ASTM D5185m	90	21	40	50
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	55	42	67
Calcium	ppm	ASTM D5185m	2	0	0	2
Phosphorus	ppm	ASTM D5185m		0	0	3
Zinc	ppm	ASTM D5185m		0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m		19	8	21
Potassium	ppm	ASTM D5185m	>20	3	7	7
Water	%	ASTM D6304	>0.05	0.024	0.019	0.018
ppm Water	ppm	ASTM D6304	>500	244.6	193.3	184.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		9095	9830	9860
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>▲</u> 2838	<u>^</u> 2683
Particles >14μm		ASTM D7647	>80	<u> </u>	<u>^</u> 269	<u>▲</u> 105
Particles >21µm		ASTM D7647	>20	<u>45</u>	<u>^</u> 74	17
Particles >38µm		ASTM D7647	>4	2	<u>^</u> 5	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/18/14	2 0/19/15	<u>^</u> 20/19/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

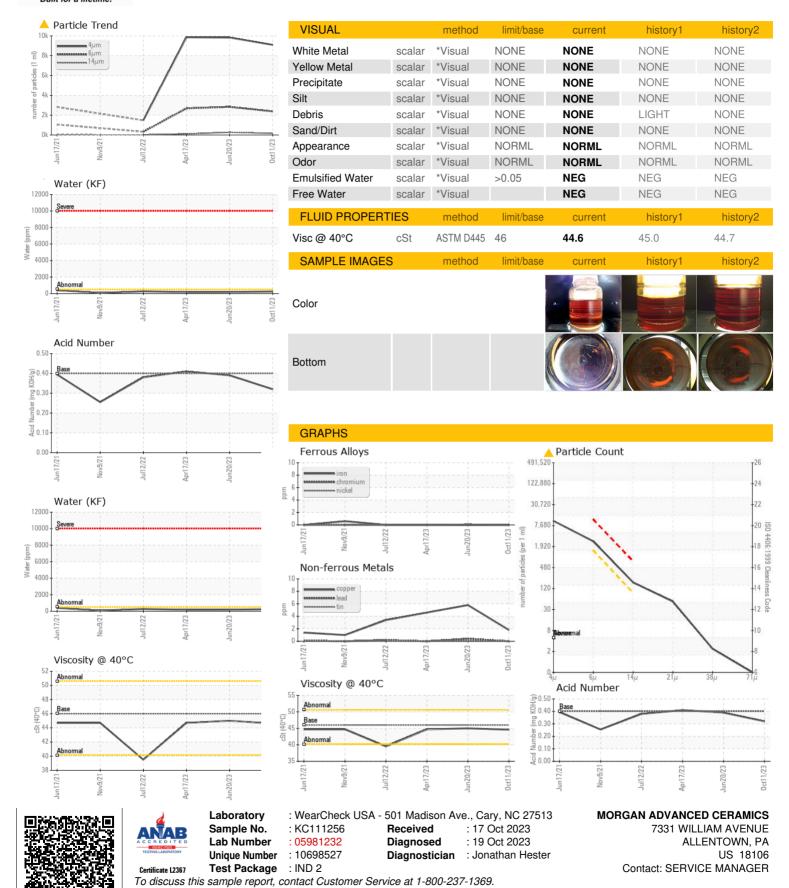
0.39

0.32

0.41



OIL ANALYSIS REPORT



* - 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)

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