

PROBLEM SUMMARY

Sample Rating Trend

WATER

Machine Id

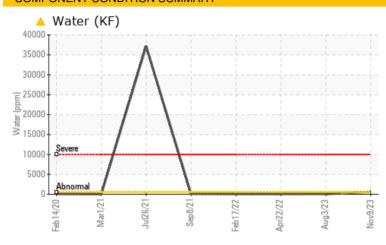
KAESER SM 7.5 7129697 (S/N 1050)

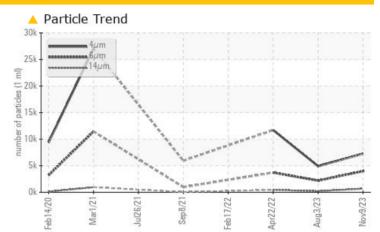
Component

Compressor

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







RECOMMENDATION

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

PROBLEMATIC T	EST RE	SULTS				
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Water	%	ASTM D6304	>0.05	△ 0.063	0.005	0.003
ppm Water	ppm	ASTM D6304	>500	△ 630	52.5	36.3
Particles >6µm		ASTM D7647	>1300	△ 3967	<u>^</u> 2196	△ 3703
Particles >14µm		ASTM D7647	>80	△ 675	<u>^</u> 208	<u>447</u>
Particles >21µm		ASTM D7647	>20	^ 227	△ 56	△ 139
Particles >38µm		ASTM D7647	>4	4 35	3	<u> </u>
Particles >71µm		ASTM D7647	>3	<u>4</u>	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/19/17	1 9/18/15	1 9/16

Customer Id: CITALL Sample No.: KC68813 Lab Number: 06017409 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

03 Aug 2023 Diag: Don Baldridge

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.



22 Apr 2022 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.



17 Feb 2022 Diag: Jonathan Hester

VIS DEBRIS



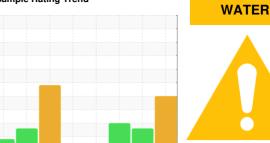
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris 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



Machine Id

KAESER SM 7.5 7129697 (S/N 1050)

Component

Compressor

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

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. 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.

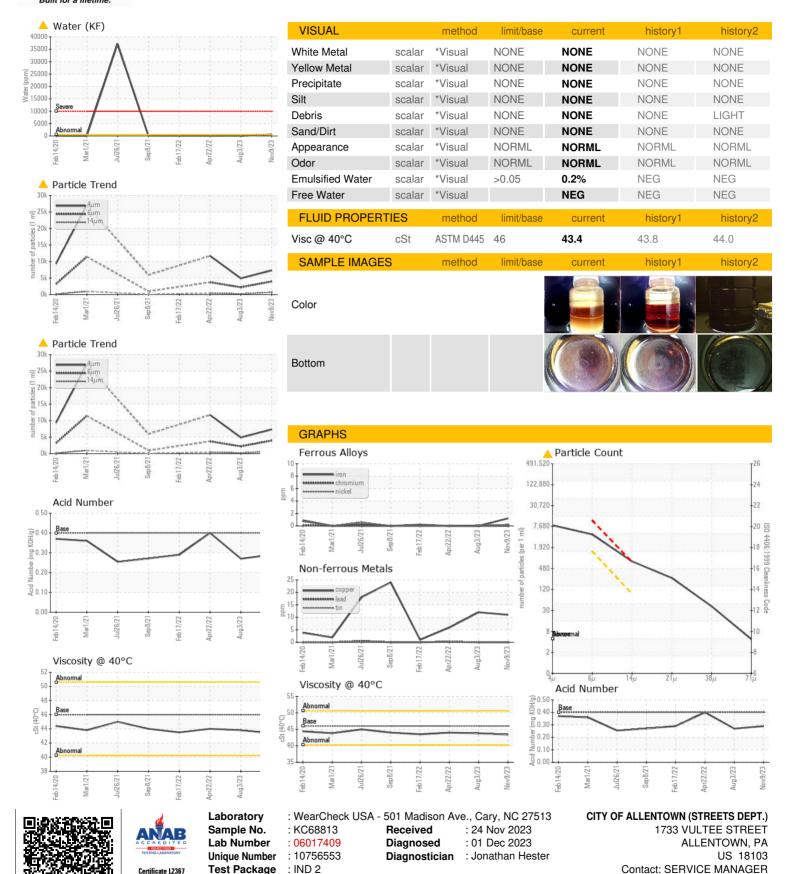
Fluid Condition

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

Febző2020 Marž021 Julž021 Sapž021 Febž022 Aprž022 Augž023 Novž023							
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		KC68813	KC97161	KC98059	
Sample Date		Client Info		09 Nov 2023	03 Aug 2023	22 Apr 2022	
Machine Age	hrs	Client Info		31103	29815	21976	
Oil Age	hrs	Client Info		1127	9540	1300	
Oil Changed		Client Info		Not Changd	Changed	Not Changd	
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	1	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	0	
Nickel	ppm	ASTM D5185m	>3	<1	<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	0	<1	
Copper	ppm	ASTM D5185m	>50	11	12	6	
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	0	0	0	
Molybdenum	ppm	ASTM D5185m		0	0	0	
Manganese	ppm	ASTM D5185m		<1	0	0	
Magnesium	ppm	ASTM D5185m	90	<1	<1	3	
Calcium	ppm	ASTM D5185m	2	0	0	0	
Phosphorus	ppm	ASTM D5185m		0	0	0	
Zinc	ppm	ASTM D5185m		37	0	0	
CONTAMINANTS	6	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<1	7	2	
Sodium	ppm	ASTM D5185m		1	0	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	<1	
Water	%	ASTM D6304	>0.05	△ 0.063	0.005	0.003	
ppm Water	ppm	ASTM D6304	>500	△ 630	52.5	36.3	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647		7282	4907	11702	
Particles >6µm		ASTM D7647	>1300	<u> </u>	△ 2196	△ 3703	
Particles >14μm		ASTM D7647	>80	△ 675	△ 208	447	
Particles >21μm		ASTM D7647	>20	<u> </u>	<u>▲</u> 56	<u></u> 139	
Particles >38µm		ASTM D7647	>4	△ 35	3	<u> </u>	
Particles >71µm		ASTM D7647	>3	<u>4</u>	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/19/17	▲ 19/18/15	△ 19/16	
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.29	0.27	0.40	



OIL ANALYSIS REPORT



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: