

PROBLEM SUMMARY

Sample Rating Trend

WATER

Machine Id **8920230 (S/N 12372)**

Component

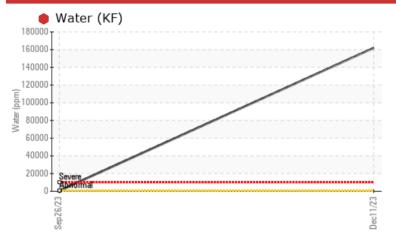
Compressor

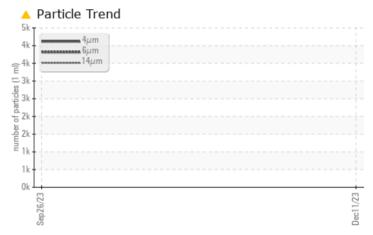
KAESER SIGMA (OEM) M-460 (--- GAL)





COMPONENT CONDITION SUMMARY





RECOMMENDATION

We recommend you service the filters on this component. 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 TEST RESULTS								
Sample Status				SEVERE	ABNORMAL			
Water	%	ASTM D6304	>0.05	16.2	△ 0.057			
ppm Water	ppm	ASTM D6304	>500	162000	<u></u> 570			
Particles >6µm		ASTM D7647	>1300	2360				
Particles >14µm		ASTM D7647	>80	402				
Particles >21µm		ASTM D7647	>20	<u> </u>				
Particles >38µm		ASTM D7647	>4	<u> </u>				
Particles >71µm		ASTM D7647	>3	<u>^</u> 2				
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/18/16				

Customer Id: COBMARGEO Sample No.: KCPA004685 Lab Number: 06073907 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 ihester@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
Change Filter			?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

26 Sep 2023 Diag: Don Baldridge

WATER



The filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. 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. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. Moderate concentration of visible dirt/debris present in the oil. There is a trace of moisture present in the oil. Excessive free water present. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Machine Id **8920230 (S/N 12372)**

Component

Compressor

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

Sample Rating Trend WATER Seption 23 Dectar 23

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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 high concentration of water present in the oil.

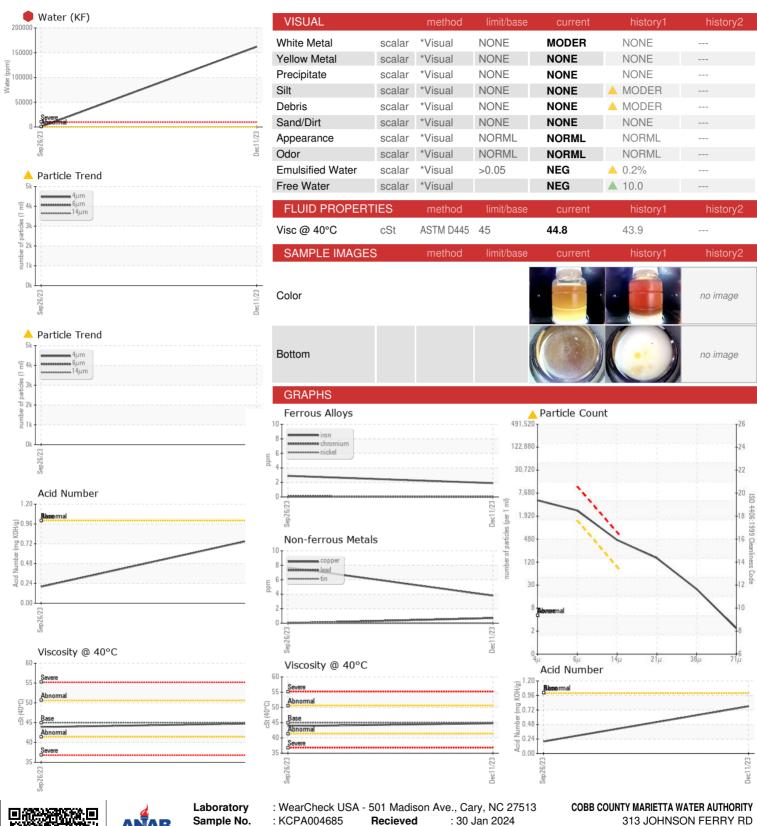
Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM	ΛΑΤΙΩΝ	method	limit/base	current	history1	history2
	MATION		— iiiiiivbase		· ·	
Sample Number		Client Info		KCPA004685	KCPA006195	
Sample Date		Client Info		11 Dec 2023	26 Sep 2023	
Machine Age	hrs	Client Info		566	257	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				SEVERE	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	3	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	<1	0	
Copper	ppm	ASTM D5185m	>50	4	8	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	6	<1	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	43	<1	
Calcium	ppm	ASTM D5185m	0	0	<1	
Phosphorus	ppm	ASTM D5185m	0	0	0	
Zinc	ppm	ASTM D5185m	0	7	41	
Sulfur	ppm	ASTM D5185m	23500	17801	22663	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		4	0	
Potassium	ppm	ASTM D5185m	>20	0	2	
Water	%	ASTM D6304	>0.05	16.2	△ 0.057	
ppm Water	ppm	ASTM D6304	>500	162000	△ 570	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		4332		
Particles >6µm		ASTM D7647	>1300	2360		
Particles >14µm		ASTM D7647	>80	402		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38µm		ASTM D7647	>4	<u>^</u> 21		
Particles >71µm		ASTM D7647	>3	<u>^</u> 2		
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/18/16		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.78	0.20	



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: KCPA004685 : 06073907

: 10855998

Diagnosed : 02 Feb 2024 Diagnostician : Jonathan Hester

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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)

313 JOHNSON FERRY RD MARIETTA, GA

US 30068 Contact: J. SCHNALL

jschnall@ccmwa.org

T:

F: