

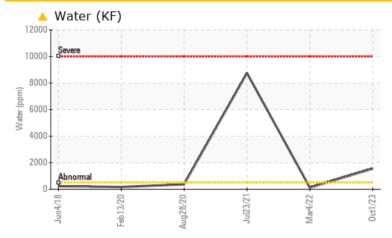
### **PROBLEM SUMMARY**

# KAESER ASD 25 3480517 (S/N 1388)

Compressor

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

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ATTENTION	ABNORMAL	
Water	%	ASTM D6304	>0.05	<b>A</b> 0.155	0.012	<b>0.876</b>	
ppm Water	ppm	ASTM D6304	>500	🔺 1550	120.5	<b>A</b> 8760	
Debris	scalar	*Visual	NONE	🔺 HEAVY	NONE	A MODER	

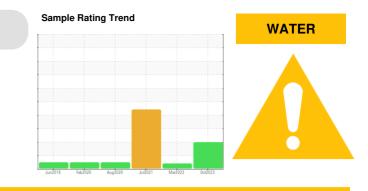
Customer Id: UNIROCMA Sample No.: KCPA006607 Lab Number: 05967031 Test Package: IND 2



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 <u>customerservice@wearcheck.com</u>



RECOMMENDED AC	MENDED ACTIONS					
Action	Status	Date	Done By			
Alert			?			

#### Description

We were unable to perform a particle count due to a high concentration of particles present in this sample.

### **HISTORICAL DIAGNOSIS**



04 Mar 2022 Diag: Don Baldridge

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

#### 23 Jul 2021 Diag: Angela Borella



We advise that you 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 to monitor this condition. 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. There is a light concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



28 Aug 2020 Diag: Jonathan Hester

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





### **OIL ANALYSIS REPORT**

### Machine Id KAESER ASD 25 3480517 (S/N 1388)

**Compressor** 

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

### DIAGNOSIS

### Recommendation

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.

### Wear

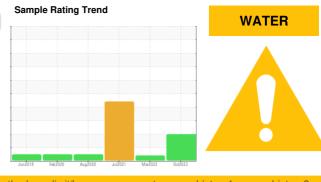
All component wear rates are normal.

#### Contamination

There is a light concentration of water present in the oil. High concentration of visible dirt/debris 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 INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA006607	KCP38529	KCP41661
Sample Date		Client Info		01 Oct 2023	04 Mar 2022	23 Jul 2021
Machine Age	hrs	Client Info		34320	30475	28941
Oil Age	hrs	Client Info		0	4000	1773
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
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	2	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	1
Copper	ppm	ASTM D5185m		15	4	3
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
	ppm		11 11 11	-	-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	14
Barium	ppm	ASTM D5185m	90	0	3	13
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	100	12	61	58
Calcium	ppm	ASTM D5185m	0	2	0	1
Phosphorus	ppm	ASTM D5185m	0	2	3	9
Zinc	ppm	ASTM D5185m	0	33	5	6
Sulfur	ppm	ASTM D5185m	23500	22060	18726	20700
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	1	2
Sodium	ppm	ASTM D5185m		0	16	5
Potassium	ppm	ASTM D5185m	>20	2	3	2
Water	%	ASTM D6304	>0.05	<u> </u>	0.012	<b>0.876</b>
ppm Water	ppm	ASTM D6304	>500	<b>A</b> 1550	120.5	▲ 8760
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			4766	
Particles >6µm		ASTM D7647			1202	
Particles >14µm		ASTM D7647	>80		<u> </u>	
Particles >21µm		ASTM D7647	>20		13	
Particles >38µm		ASTM D7647	>4		0	
Particles >71µm		ASTM D7647	>3		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13		▲ 17/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

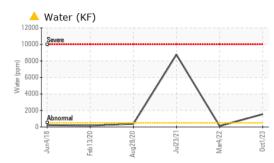
Acid Number (AN) mg KOH/g

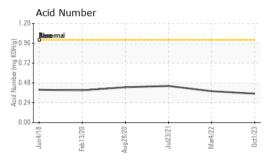
mg KOH/g ASTM D8045 1.0

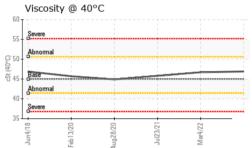
0.35 0.38 0.443 Contact/Location: M. SCOLARO - UNIROCMA



## **OIL ANALYSIS REPORT**

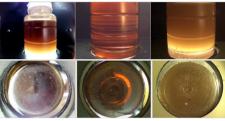




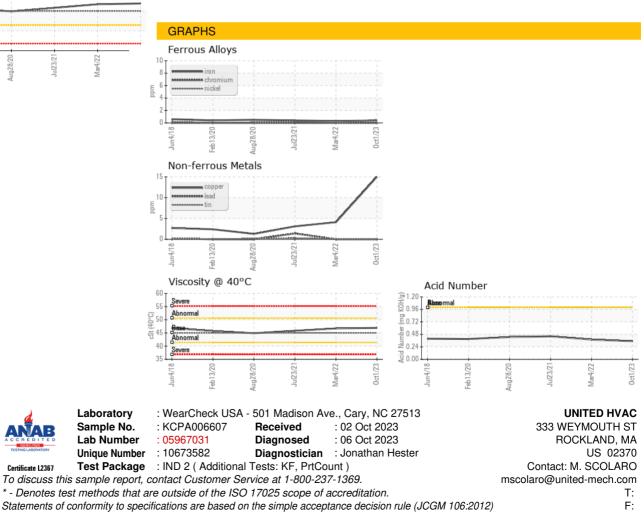


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	🔺 HEAVY	NONE	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	🔺 HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	▲ 10.0
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	46.9	46.7	45.8
SAMPLE IMAGES	S	method	limit/base	current	history1	history2

Color



Bottom



Certificate L2367

Contact/Location: M. SCOLARO - UNIROCMA