

# **PROBLEM SUMMARY**

Sample Rating Trend

VIS DEBRIS

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7053225 (S/N 1215)

Component Compressor

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

COMPONENT CONDITION SUMMARY

No relevant graphs to display

### RECOMMENDATION

We recommend you service the filters on this component. 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.

PROBLEMATIC TEST RESULTS						
Sample Status				ABNORMAL	ABNORMAL	
Debris	scalar	*Visual	NONE	MODER	NONE	

Customer Id: CUSNOR Sample No.: KC88979 Lab Number: 05429808 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

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

## HISTORICAL DIAGNOSIS

02 Oct 2020 Diag: Angela Borella

ISO



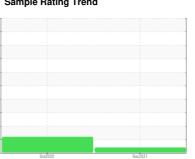
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





# **OIL ANALYSIS REPORT**

Sample Rating Trend



**VIS DEBRIS** 



7053225 (S/N 1215)

Component

Compressor

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

### **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component. 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.

### Wear

All component wear rates are normal.

#### Contamination

Moderate concentration of visible dirt/debris present in the oil.

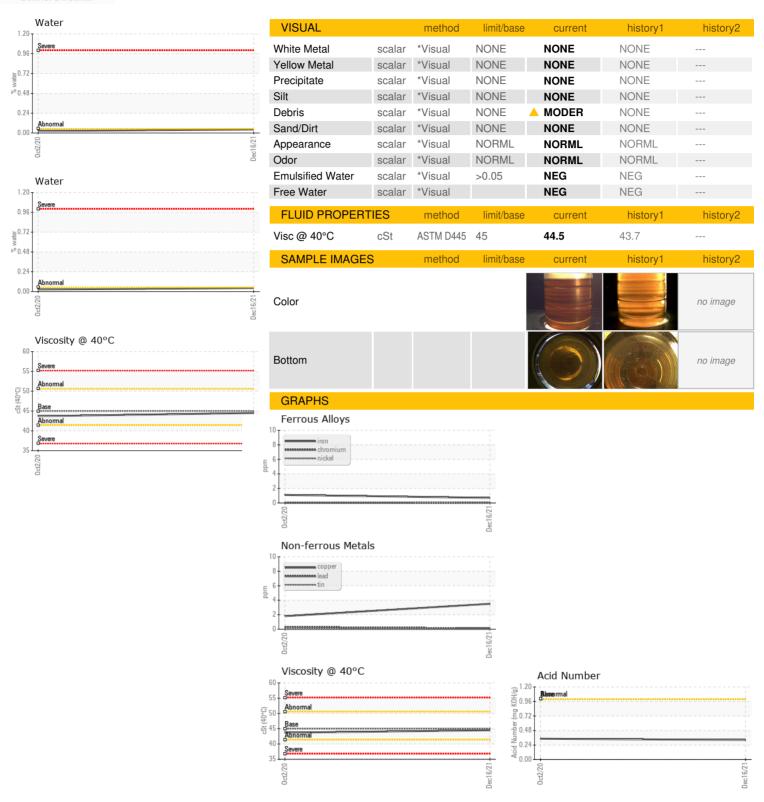
#### **Fluid Condition**

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

			0ct2020	Dec2021		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC88979	KC84059	
Sample Date		Client Info		16 Dec 2021	02 Oct 2020	
Machine Age	hrs	Client Info		2435	942	
Oil Age	hrs	Client Info		0	942	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	<1	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	<1	<1	
Copper	ppm	ASTM D5185m	>50	4	2	
Tin	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m		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	1	<1	
Barium	ppm	ASTM D5185m	90	0	6	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	100	62	63	
Calcium	ppm	ASTM D5185m	0	0	3	
Phosphorus	ppm	ASTM D5185m	0	2	6	
Zinc	ppm	ASTM D5185m	0	0	0	
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CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	
Sodium	ppm	ASTM D5185m		15	11	
Potassium	ppm	ASTM D5185m		5	7	
Water	%	ASTM D6304		0.042	0.024	
ppm Water	ppm	ASTM D6304		421.5	247.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			10777	
Particles >6µm		ASTM D7647			<b>▲</b> 3472	
Particles >14µm		ASTM D7647	>80		<u>^</u> 220	
Particles >21µm		ASTM D7647	>20		<b>4</b> 9	
Particles >38µm		ASTM D7647	>4		2	
Particles >71µm		ASTM D7647	>3		0	
Oil Cleanliness		ISO 4406 (c)	>/17/13		<b>△</b> 19/15	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.323	0.345	



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number Unique Number

: KC88979 : 05429808 : 9789000 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Dec 2021 : 24 Dec 2021 Diagnosed

Diagnostician

: Don Baldridge

Certificate L2367 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)

2896 ST RT 61 SOUTH NORWALK, OH US 44857

Contact: Service Manager

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