

# **PROBLEM SUMMARY**

KAESER 4738388

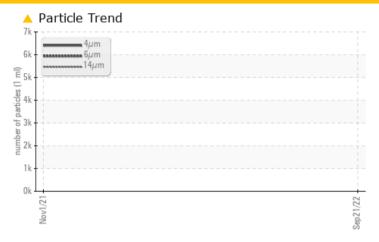
Component

Compressor

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

# Sample Rating Trend ISO

## **COMPONENT CONDITION SUMMARY**



#### RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS									
Sample Status			ATTENTION	ABNORMAL					
Particles >6μm	ASTM D7647	>1300	<b>1685</b>						
Particles >14μm	ASTM D7647	>80	<b>144</b>						
Particles >21µm	ASTM D7647	>20	<u>^</u> 22						
Oil Cleanliness	ISO 4406 (c)	>/17/13	<b>20/18/14</b>						

Customer Id: ZERSANCA Sample No.: KCP50139 Lab Number: 05648952 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							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			

## HISTORICAL DIAGNOSIS

## 01 Nov 2021 Diag: Angela Borella

WATER



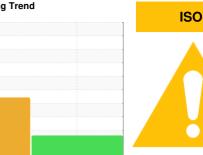
We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. Free water present. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





## **OIL ANALYSIS REPORT**

Sample Rating Trend



# **KAESER 4738388**

Component

Compressor

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

## **DIAGNOSIS**

#### Recommendation

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.

#### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of particulates present in the oil.

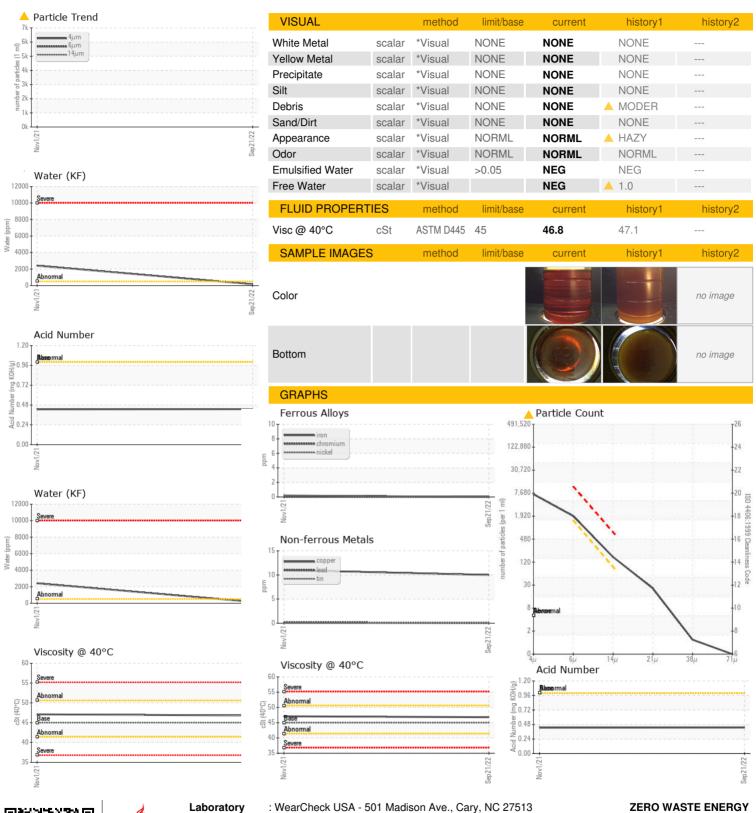
#### **Fluid Condition**

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

			Nov2021	Sep2022		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP50139	KCP39915	
Sample Date		Client Info		21 Sep 2022	01 Nov 2021	
Machine Age	hrs	Client Info		48439	41559	
Oil Age	hrs	Client Info		3000	5000	
Oil Changed	0	Client Info		Changed	Changed	
Sample Status				ATTENTION	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm		>50	0	<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	<1	
Lead		ASTM D5185m	>10	0	<1	
	ppm			10	11	
Copper Tin	ppm	ASTM D5185m	>50	_	0	
	ppm	ASTM D5185m	>10	0		
Antimony	ppm	ASTM D5185m			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	22	
Barium	ppm	ASTM D5185m	90	0	<1	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	0	<1	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	10	0	
Zinc	ppm	ASTM D5185m	0	24	60	
Sulfur	ppm	ASTM D5185m	23500	20564	29120	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m	>20	0	4	
Water	%	ASTM D6304	>0.05	0.015	<u> </u>	
ppm Water	ppm	ASTM D6304	>500	159.4	<u>2410</u>	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		6248		
Particles >6µm		ASTM D7647	>1300	<u>△</u> 1685		
Particles >14µm		ASTM D7647	>80	▲ 144		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>↓</u> 20/18/14		
		100 4400 (0)	// II/ IJ	_ 20/10/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 05648952

: KCP50139 : 10143491

Received Diagnosed

: 26 Sep 2022 Diagnostician : Jonathan Hester

: 22 Sep 2022

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) **ZERO WASTE ENERGY** 

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