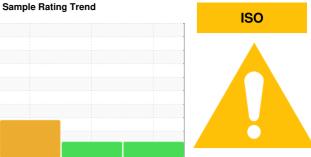


## **PROBLEM SUMMARY**



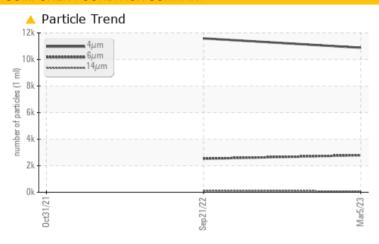
KAESER 4738396

Component

Compressor

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

## **COMPONENT CONDITION SUMMARY**



## RECOMMENDATION

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		ABI	NORMAL	ABNORMAL	ABNORMAL				
Particles >6µm	ASTM D7647	>1300 🔺 2	790	<u>\$\infty\$ 2523</u>					
Particles >14µm	ASTM D7647	>80 🔺 8	1	<u></u> 98					
Oil Cleanliness	ISO 4406 (c)	>/17/13 🔺 2	1/19/14	<u>^</u> 21/19/14					

Customer Id: ZERSANCA Sample No.: KCP55979 Lab Number: 05783231 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

### 21 Sep 2022 Diag: Jonathan Hester

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.



## 31 Oct 2021 Diag: Jonathan Hester

WAIER



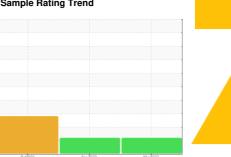
Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Appearance is hazy. There is a light concentration of water present in the oil. 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



ISO

# **KAESER 4738396**

Component

Compressor

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

## **DIAGNOSIS**

### Recommendation

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 high 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.

		Oc	2021	Sep2022 Mar2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP55979	KCP50134	KCP39909
Sample Date		Client Info		05 Mar 2023	21 Sep 2022	31 Oct 2021
Machine Age	hrs	Client Info		53427	49780	0
Oil Age	hrs	Client Info		1000	5000	4000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm		>50	1	12	13
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				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	17
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	19	0	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	<1	11	0
Zinc	ppm	ASTM D5185m	0	20	31	60
Sulfur	ppm	ASTM D5185m	23500	17824	20652	28333
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Sodium	ppm	ASTM D5185m		5	0	<1
Potassium	ppm		>20	0	0	3
Water	%	ASTM D6304		0.007	0.013	▲ 0.115
ppm Water	ppm	ASTM D6304	>500	78.8	137.2	<u> </u>
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		10888	11590	
Particles >6µm		ASTM D7647		<u>^</u> 2790	<u>^</u> 2523	
Particles >14µm		ASTM D7647	>80	<u>A</u> 81	<u>^</u> 98	
Particles >21µm		ASTM D7647	>20	14	15	
Particles >38µm		ASTM D7647	>4	1	1	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>21/19/14</u>	<u>^</u> 21/19/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**

