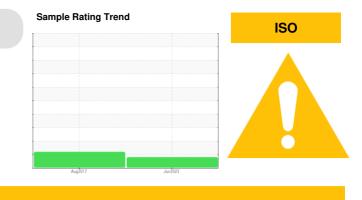


### **PROBLEM SUMMARY**

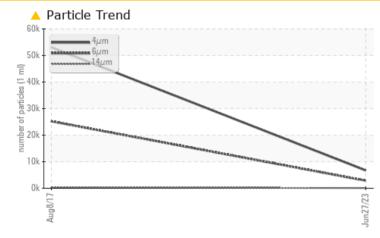
## KAESER AIR CENTER SM 10 4697394 (S/N 1491)

Compressor



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

### COMPONENT CONDITION SUMMARY



#### RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Status			ABNORMAL	ABNORMAL					
Particles >6µm	ASTM D7647	>1300	<b>A</b> 2846	<u> </u>					
Oil Cleanliness	ISO 4406 (c)	>/17/13	<b>A</b> 20/19/13	<b>2</b> 2/16					

Customer Id: HIAWIN Sample No.: KCPA004056 Lab Number: 05924326 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 <u>customerservice@wearcheck.com</u> There are no recommended actions for this sample.

### HISTORICAL DIAGNOSIS

### 08 Aug 2017 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 high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





### **OIL ANALYSIS REPORT**

# KAESER AIR CENTER SM 10 4697394 (S/N 1491)

Compressor Fluid

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

### DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

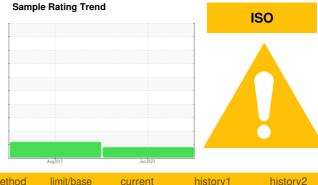
All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA004056	KCP02996	
Sample Date		Client Info		27 Jun 2023	08 Aug 2017	
Machine Age	hrs	Client Info		2513	1073	
Oil Age	hrs	Client Info		0	1073	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	1	
Chromium	ppm	ASTM D5185m		0	0	
Nickel		ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
	ppm					
Aluminum	ppm	ASTM D5185m		0	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m		<1	2	
Tin	ppm	ASTM D5185m	>10	<1	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	0	
Barium	ppm	ASTM D5185m	90	0	5	
Volybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	100	83	66	
Calcium	ppm	ASTM D5185m	0	<1	1	
Phosphorus	ppm	ASTM D5185m	0	4	2	
Zinc	ppm	ASTM D5185m	0	6	10	
Sulfur	ppm	ASTM D5185m	23500	23983	16410	
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		19	13	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.05	0.028	0.029	
ppm Water	ppm	ASTM D6304		280.6	290	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		6719	53095	
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	
Particles >14μm		ASTM D7647	>80	50	<b>3</b> 96	
Particles >21µm		ASTM D7647		6	<u> </u>	
Particles >38µm		ASTM D7647	>4	0	4	
Particles >71µm		ASTM D7647		0	2	
Oil Cleanliness		ISO 4406 (c)	>/17/13	o ▲ 20/19/13	22/16	
	TION	( )				
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g

mg KOH/g ASTM D8045 1.0

0.38 0.313 ---Contact/Location: Service Manager - HIAWIN

Page 3 of 4



Water

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Viscosity @ 40°C

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Built for a lifetime

## **OIL ANALYSIS REPORT**

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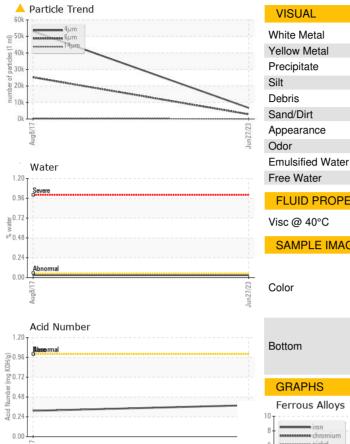
NORML

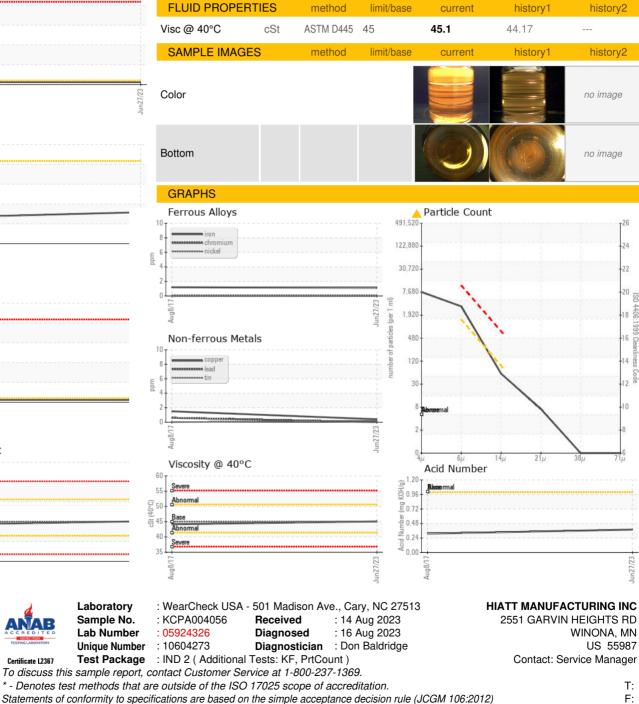
NORML

NEG

NEG

history2





Contact/Location: Service Manager - HIAWIN