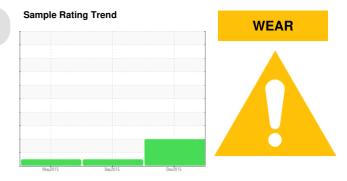


# **PROBLEM SUMMARY**

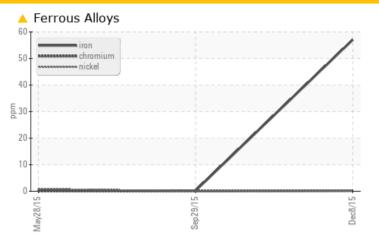
Area [57672778] KAESER C-1R (S/N 1022)

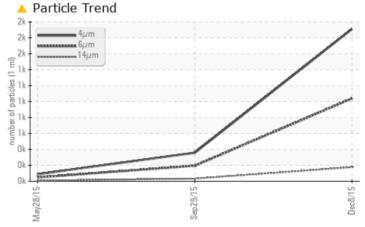
Compressor

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



### **COMPONENT CONDITION SUMMARY**





### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	NORMAL	NORMAL		
Iron	ppm	ASTM D5185m	>50	<u> </u>	<1	<1		
Particles >14µm		ASTM D7647	>80	<b>177</b>	33	8		
Particles >21µm		ASTM D7647	>20	<b>△</b> 59	11	2		
Particles >38µm		ASTM D7647	>4	<u> </u>	1	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>18/17/15</b>	16/15/12	14/13/10		

Customer Id: WESLONWC Sample No.: WCI2281633 Lab Number: 03879236 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 ihester@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 Filter	MISSED	Nov 29 2017	?	We recommend you service the filters on this component.

### HISTORICAL DIAGNOSIS

29 Sep 2015 Diag: Doug Bogart





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



### 28 May 2015 Diag: Doug Bogart

NORMAL



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



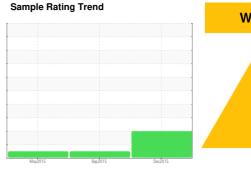


# **OIL ANALYSIS REPORT**

# Area [57672778] KAESER C-1R (S/N 1022)

Compressor

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





### **DIAGNOSIS**

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

The iron level is abnormal. All other component wear rates are normal.

### Contamination

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

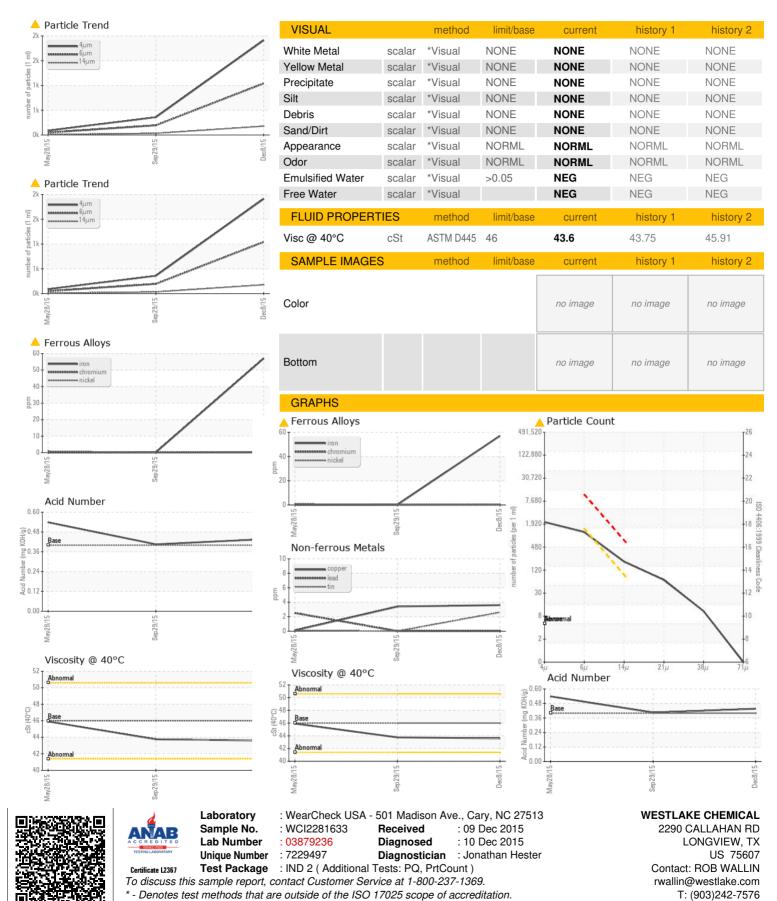
### **Fluid Condition**

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

		Ma	y2015	Sep2015 Dec20	15	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		WCI2281633	WCI2214382	WCI2258496
Sample Date		Client Info		08 Dec 2015	29 Sep 2015	28 May 2015
Machine Age	hrs	Client Info		14937	13629	10821
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<u>▲</u> 57	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	2
Copper	ppm	ASTM D5185m	>50	4	3	<1
Tin	ppm	ASTM D5185m	>10	3	0	<1
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	20	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	21	4	0
Calcium	ppm	ASTM D5185m	2	1	0	0
Phosphorus	ppm	ASTM D5185m		42	0	3
Zinc	ppm	ASTM D5185m		60	169	2
Sulfur	ppm	ASTM D5185m		17614	17303	0
CONTAMINANTS	;	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	3	2	<1
Sodium	ppm	ASTM D5185m		2	3	<1
Potassium	ppm	ASTM D5185m	>20	<1	3	0
FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >4µm		ASTM D7647		1910	358	89
Particles >6µm		ASTM D7647	>1300	1040	195	48
Particles >14µm		ASTM D7647	>80	<u> </u>	33	8
Particles >21µm		ASTM D7647	>20	<u>^</u> 59	11	2
Particles >38μm		ASTM D7647	>4	<u> </u>	1	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>18/17/15</b>	16/15/12	14/13/10
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.436	0.405	0.538



## **OIL ANALYSIS REPORT**



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (903)758-9521