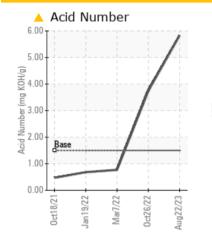


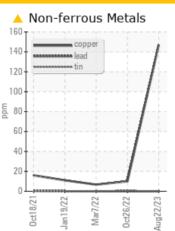
KAESER COMPRESSORS Built for a lifetime."

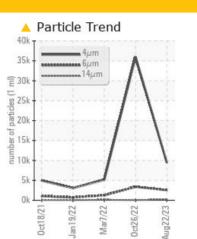
# KAESER 7744738

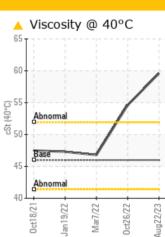
Component Compressor Fluid KAESER SIGMA (OEM) FG-460 (--- GAL)

### COMPONENT CONDITION SUMMARY









### RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample in 500 hours to monitor this condition.

### PROBLEMATIC TEST RESULTS

PROBLEMATIC	ESTRE	SUL15				
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
Copper	ppm	ASTM D5185m	>50	🔺 147	10	7
Particles >6µm		ASTM D7647	>1300	🔺 2543	<b>4</b> 3401	1258
Particles >14µm		ASTM D7647	>80	<u> </u>	38	<u> </u>
Particles >21µm		ASTM D7647	>20	<u> </u>	9	25
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	<u> </u>	<b>2</b> 0/17/14
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	<b>6.83</b>	<b>3</b> .74	0.77
Visc @ 40°C	cSt	ASTM D445	46	<u> </u>	▲ 54.6	46.8

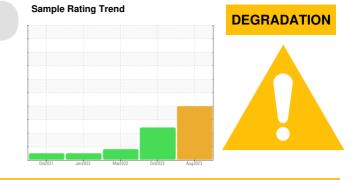
Customer Id: SOLFED Sample No.: KC05969671 Lab Number: 05969671 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



RECOMMENDED A	ECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.		
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.		

### HISTORICAL DIAGNOSIS



26 Oct 2022 Diag: Doug Bogart

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is above the recommended limit. The oil viscosity is higher than normal.





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 moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### 19 Jan 2022 Diag: Angela Borella





Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

### view report

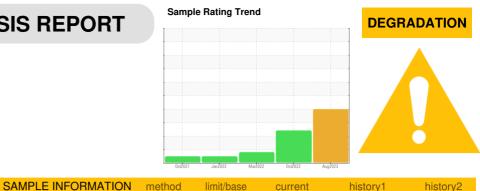
view report

view report





### **OIL ANALYSIS REPORT**



current

history2

Machine Id **KAESER 7744738** Component Compressor

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

### DIAGNOSIS

### Recommendation

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample in 500 hours to monitor this condition.

### A Wear

The copper 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 above the recommended limit. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM	VIATION	method	limit/base	current	nistory i	nistory2
Sample Number		Client Info		KC05969671	KC108047	KC96708
Sample Date		Client Info		22 Aug 2023	26 Oct 2022	07 Mar 2022
Machine Age	hrs	Client Info		17111	11090	6895
Oil Age	hrs	Client Info		0	4195	2974
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history?
					history1	history2
Iron	ppm	ASTM D5185m	>50	6	3	<1
Chromium	ppm	ASTM D5185m		0	<1	0
Nickel	ppm	ASTM D5185m	>3	1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>2	0	1	<1
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	🔺 147	10	7
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m		<1	0	4
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	65	73	252
Zinc	ppm	ASTM D5185m		102	<1	84
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	<1
Sodium	ppm	ASTM D5185m		10	3	2
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	%	ASTM D6304		0.036	0.013	0.001
ppm Water	ppm	ASTM D6304	>500	368.8	132.7	11.4
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		9439	35982	5175
Particles >6µm		ASTM D7647	>1300	<u> </u>	<b>A</b> 3401	1258
Particles >14µm		ASTM D7647	>80	<u> </u>	38	<b>1</b> 10
Particles >21µm		ASTM D7647	>20	<mark>/</mark> 52	9	25
Particles >38µm		ASTM D7647	>4	3	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 20/19/15	▲ 22/19/12	▲ 20/17/14
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	<b>5.83</b>	▲ 3.74	0.77
· /	÷ 0					

Contact/Location: ERIKA LANGLEY - SOLFED



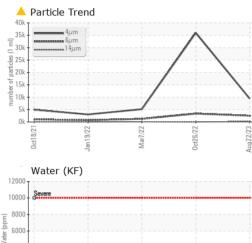
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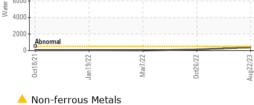
140 120

## **OIL ANALYSIS REPORT**

method

VISUAL

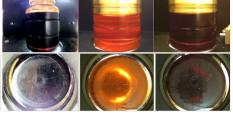






limit/base

current



history1

history2

Bottom

