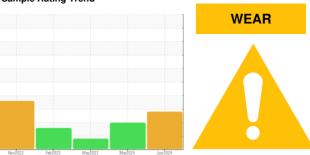


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **KAESER 7827240**

Component Compressor

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

### **DIAGNOSIS**

#### Recommendation

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

## Wear

The aluminum 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.

		Nov2022	Feb2023	May2023 Mar2024	Jun 2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC130338	KC122398	KC102783
Sample Date		Client Info		12 Jun 2024	28 Mar 2024	17 May 2023
Machine Age	hrs	Client Info		10785	10334	8369
Oil Age	hrs	Client Info		451	0	8369
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	20	3	8
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>△</b> 30	4	<b>1</b> 9
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	5	2
Tin	ppm	ASTM D5185m	>10	<1	<1	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
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	1	0
Magnesium	ppm	ASTM D5185m		2	1	1
Calcium	ppm	ASTM D5185m		1	0	0
Phosphorus	ppm	ASTM D5185m	500	530	164	300
Zinc	ppm	ASTM D5185m		329	105	142
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m		3	2	0
Potassium	ppm	ASTM D5185m	>20	4	2	1
Water	%	ASTM D6304	>0.05	0.007	0.002	0.002
ppm Water	ppm	ASTM D6304	>500	74	21	24.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7821	11270	1445
Particles >6µm		ASTM D7647	>1300	<u>^</u> 2817	<u>^</u> 2704	375
Particles >14μm		ASTM D7647	>80	<b>▲</b> 309	<u>▲</u> 182	18
Particles >21µm		ASTM D7647	>20	<u>^</u> 87	<u>▲</u> 54	3
Particles >38µm		ASTM D7647	>4	<u>^</u> 6	<u> 5</u>	0
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/19/15	<b>△</b> 21/19/15	18/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 1.5

0.43

1.32

0.80



## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No. Lab Number

Laboratory : KC130338 : 06216299 Unique Number : 11089163 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Jun 2024 **Tested** : 21 Jun 2024

Diagnosed : 23 Jun 2024 - Don Baldridge

Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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)

Report Id: CIRTAM [WUSCAR] 06216299 (Generated: 06/23/2024 13:55:30) Rev: 1

TAMPA, FL

US 33619

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