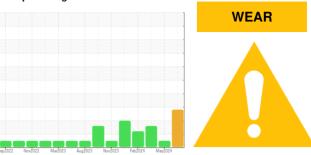


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 6840714 (S/N 1278)

Component Compressor

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

### **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component. 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.

		Sep2022 No	ov2022 Mar2023 Aug	2023 Nov2023 Feb2024 f	May 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA019181	KCPA018184	KCPA016052
Sample Date		Client Info		12 Jun 2024	17 May 2024	19 Apr 2024
Machine Age	hrs	Client Info		8511	8301	8040
Oil Age	hrs	Client Info		5966	5756	5495
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	<b>△</b> 36	22	9
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	1	1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	0	<1	0
Calcium	ppm	ASTM D5185m	2	0	7	0
Phosphorus	ppm	ASTM D5185m		142	166	143
Zinc	ppm	ASTM D5185m		21	33	0
Sulfur	ppm	ASTM D5185m		1108	1401	1074
CONTAMINANTS	i	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		5	4	2
Potassium	ppm	ASTM D5185m	>20	1	1	0
Water	%	ASTM D6304	>0.05	0.015	0.006	0.005
ppm Water	ppm	ASTM D6304	>500	154	62	54
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		15779	2988	4034
Particles >6µm		ASTM D7647	>1300	<b>6807</b>	1004	1229
Particles >14µm		ASTM D7647	>80	<u></u> 941	76	<u>^</u> 213
Particles >21μm		ASTM D7647	>20	<b>^</b> 264	16	<b>▲</b> 85
Particles >38µm		ASTM D7647	>4	<u> 14</u>	0	<u> </u>
Particles >71μm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	19/17/13	<b>△</b> 19/17/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A sid Niveshau (ANI)	ma 1/011/-	ACTM DOOM	0.4	0.04	0.70	0.70

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.73

0.84

0.78



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number : 11076174

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: KCPA019181 : 06208713

Received **Tested** 

: 14 Jun 2024 Diagnosed : 15 Jun 2024 - Don Baldridge

: 13 Jun 2024

Test Package : IND 2 ( Additional Tests: KF, PrtCount )

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

STAMPTECH (AOC)

13140 PARKERS BATTERY RD CHESTER, VA

US 23836

Contact: Service Manager

F: Contact/Location: Service Manager - STACHE

T: