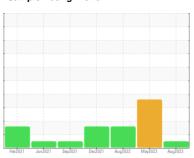


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



# KAESER 7210082

Component

Compressor

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

## DIAGNOSIS

# Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

# **Fluid Condition**

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

		Feb 2021	Jun2021 Sep2021	Dec2021 Aug2022 May2023	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC121702	KC104952	KC102647
Sample Date		Client Info		16 Aug 2023	16 May 2023	10 Aug 2022
Machine Age	hrs	Client Info		9280	8543	6583
Oil Age	hrs	Client Info		6579	1963	4360
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	7	17
Tin	ppm	ASTM D5185m	>10	0	0	1
Antimony	ppm	ASTM D5185m				
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	<1
Barium	ppm	ASTM D5185m	90	4	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	52	6	0
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		<1	1	0
Zinc	ppm	ASTM D5185m		7	5	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<u>48</u>	<b>△</b> 67
Sodium	ppm	ASTM D5185m		17	1	0
Potassium	ppm	ASTM D5185m	>20	2	1	0
Water	%	ASTM D6304	>0.05	0.006	0.007	0.005
ppm Water	ppm	ASTM D6304	>500	61.4	77.1	58.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1143	6045	736
Particles >6µm		ASTM D7647	>1300	458	<u>^</u> 2269	237
Particles >14µm		ASTM D7647	>80	57	<u>^</u> 266	42
Particles >21µm		ASTM D7647	>20	13	<u>▲</u> 77	11
Particles >38µm		ASTM D7647	>4	1	<u>^</u> 7	1
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/16/13	<u>^</u> 20/18/15	17/15/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.32	0.37	0.35



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package

: KC121702 : 05930378 : 10615649 : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Aug 2023 Diagnosed : 23 Aug 2023

: Jonathan Hester Diagnostician

1451 JACOBSON AVE ASHLAND, OH US 44805

Contact: Service Manager

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)

T: F: