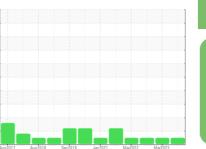


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

# KAESER SM 15 5777302 (S/N 1481)

Component Compressor

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

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

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

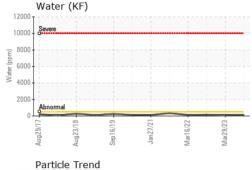
### **Fluid Condition**

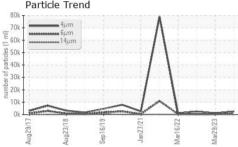
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

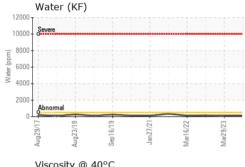
		Aug2017	Aug2018 Sep2019	Jan2021 Mar2022 M	ar2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC132061	KC101810	KC85872
Sample Date		Client Info		31 May 2024	29 Mar 2023	24 Oct 2022
Machine Age	hrs	Client Info		47789	39888	37079
Oil Age	hrs	Client Info		7800	6000	3800
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	<1	1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	7	6	6
Tin	ppm	ASTM D5185m	>10	<1	0	<1
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	90	<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	16	29	40
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		0	1	4
Zinc	ppm	ASTM D5185m		10	29	24
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		3	9	7
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water	%	ASTM D6304	>0.05	0.009	0.010	0.015
ppm Water	ppm	ASTM D6304	>500	95	108.9	154.2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		2409	1050	2446
Particles >6µm		ASTM D7647	>1300	650	343	334
Particles >14μm		ASTM D7647	>80	35	28	18
Particles >21µm		ASTM D7647	>20	7	8	5
Particles >38µm		ASTM D7647	>4	0	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/17/12	17/16/12	18/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.29	0.35	0.31

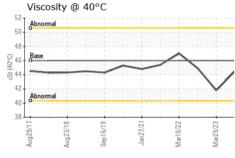


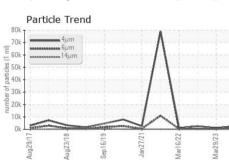
## **OIL ANALYSIS REPORT**

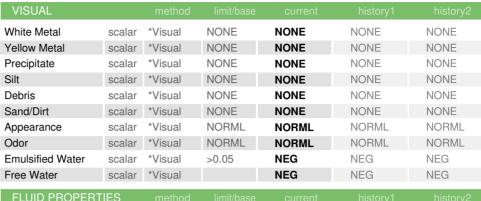






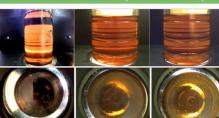


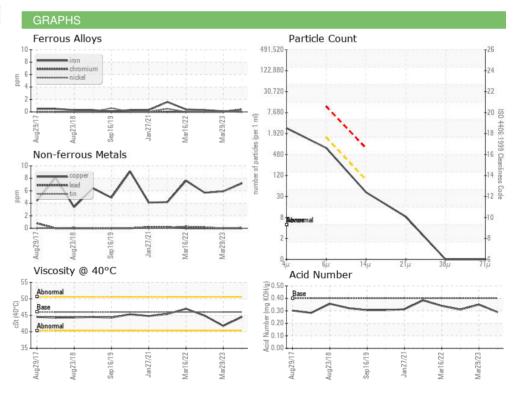




Visc @ 40°C	cSt	ASTM D445	46	44.5	41.8	44.9

Color	









Certificate 12367

Laboratory Sample No.

: KC132061 Lab Number : 06202742 Unique Number : 11070203 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024 **Tested** : 10 Jun 2024

Diagnosed

: 10 Jun 2024 - Don Baldridge

**EATON ELECTRICAL** 1000 CHERRINGTON PKWY MOON TOWNSHIP, PA

US 15108 Contact: Service Manager

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

**Bottom** 

\* - 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: