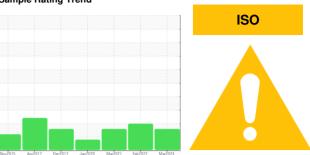


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER SK 19 1888413 (S/N 1421)

Component Compressor

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

### **DIAGNOSIS**

### Recommendation

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.

### 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.

		Nov2015	Apr2017 Dec2017	Jan 2020 Mar 2021 Feb 2022	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC109648	KC95104	KC94488
Sample Date		Client Info		14 Mar 2024	15 Feb 2022	02 Mar 2021
Machine Age	hrs	Client Info		49827	46722	45680
Oil Age	hrs	Client Info		1668	1042	1229
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	1
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	<1	1	2
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m				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	16
Barium	ppm	ASTM D5185m	90	4	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	59	67	48
Calcium	ppm	ASTM D5185m	2	0	<1	2
Phosphorus	ppm	ASTM D5185m		0	3	13
Zinc	ppm	ASTM D5185m		0	10	17
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		18	18	19
Potassium	ppm	ASTM D5185m		1	<1	<1
Water	%	ASTM D6304	>0.05	0.018	0.012	0.014
ppm Water	ppm	ASTM D6304	>500	188	126.6	149.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		12028	20686	10803
Particles >6µm		ASTM D7647	>1300	<b>2580</b>	▲ 5602	<b>△</b> 3368
Particles >14μm		ASTM D7647	>80	<u> </u>	<u>▲</u> 628	<u>▲</u> 412
Particles >21μm		ASTM D7647	>20	<u>^</u> 66	<u></u> 160	<u> </u>
Particles >38μm		ASTM D7647	>4	4	<b>▲</b> 19	<u>^</u> 8
Particles >71μm		ASTM D7647	>3	0	<u>^</u> 2	1
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 21/19/15	<b>△</b> 20/16	<b>△</b> 19/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.37	0.34	0.337



# **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

Laboratory : KC109648 : 06150350

Lab Number Unique Number : 10980428 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Apr 2024 **Tested** : 17 Apr 2024

Diagnosed : 17 Apr 2024 - Doug Bogart

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)

F:

Contact/Location: ? ? - OK4STE

**OK 4 WHEEL DRIVE** 

STEWARTSVILLE, NJ

2621 ROUTE 57

US 08886

Contact:

T: