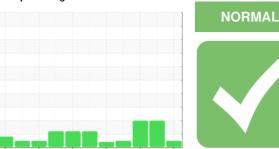


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER SK 20 4320778 (S/N 1111)

Component Compressor

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

### Recommendation

Resample at the next service interval to monitor.

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.

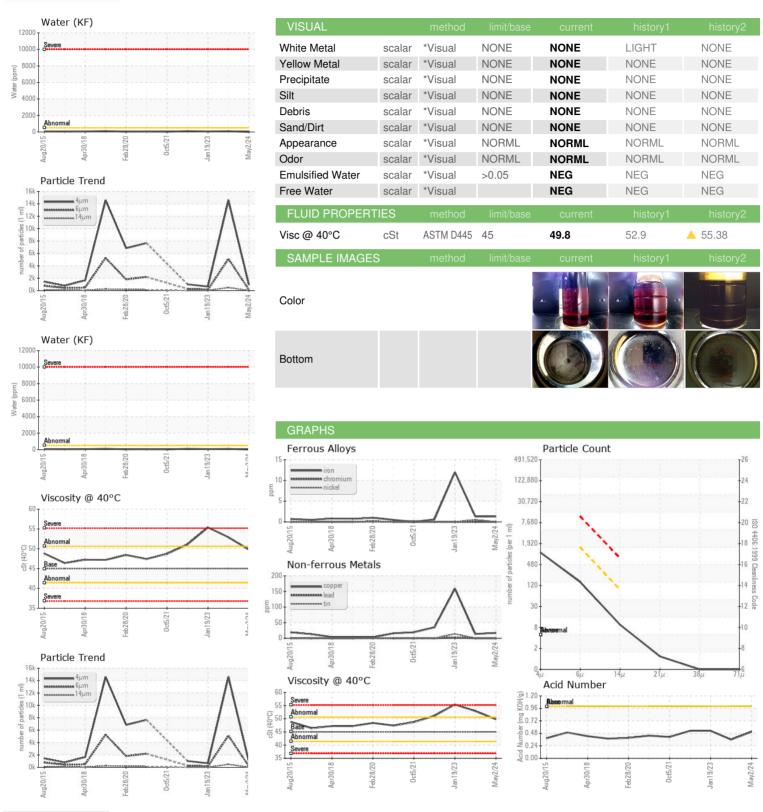
### **Fluid Condition**

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

		Aug2015	Apr2018 Feb2020	0ct2021 Jan2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013323	KCPA006324	KCP54326
Sample Date		Client Info		02 May 2024	29 Sep 2023	19 Jan 2023
Machine Age	hrs	Client Info		56466	52716	48793
Oil Age	hrs	Client Info		3560	0	3411
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	1	12
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	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	2
Copper	ppm	ASTM D5185m	>50	17	14	<u></u> 159
Tin	ppm	ASTM D5185m	>10	<1	<1	<u> 14</u>
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	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	0	<1	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	<1	<1	23
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	23500	21994	21459	21738
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	3	8
Sodium	ppm	ASTM D5185m	00	1	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.05	0.001	0.009	0.006
ppm Water	ppm	ASTM D6304	>500	15	95.0	65.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		931	14603	655
Particles >6μm		ASTM D7647		133	<u>▲</u> 5113	158
Particles >14µm		ASTM D7647	>80	8	<u>469</u>	19
Particles >21µm		ASTM D7647	>20	1	<u>123</u>	8
Particles >38µm		ASTM D7647	>4	0	<u> 5</u>	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/13	14/10	<b>2</b> 0/16	14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.51	0.36	0.53



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06185025

: KCPA013323 Unique Number : 11036351

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 May 2024 **Tested** : 22 May 2024 Diagnosed : 22 May 2024 - Jonathan Hester

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. **RAGSDALE INDUSTRIES** 

3870 S KALAMATH ST ENGLEWOOD, CO US 80110

Contact: MARK WOELFEL ragsdale@ecentral.com

T: (303)781-8234 F: (303)781-0203

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: RAGENG [WUSCAR] 06185025 (Generated: 05/22/2024 17:52:05) Rev: 1

Contact/Location: MARK WOELFEL - RAGENG