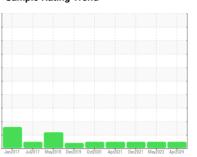


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

# KAESER SM10 2853510 (S/N 1086)

Compressor

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

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

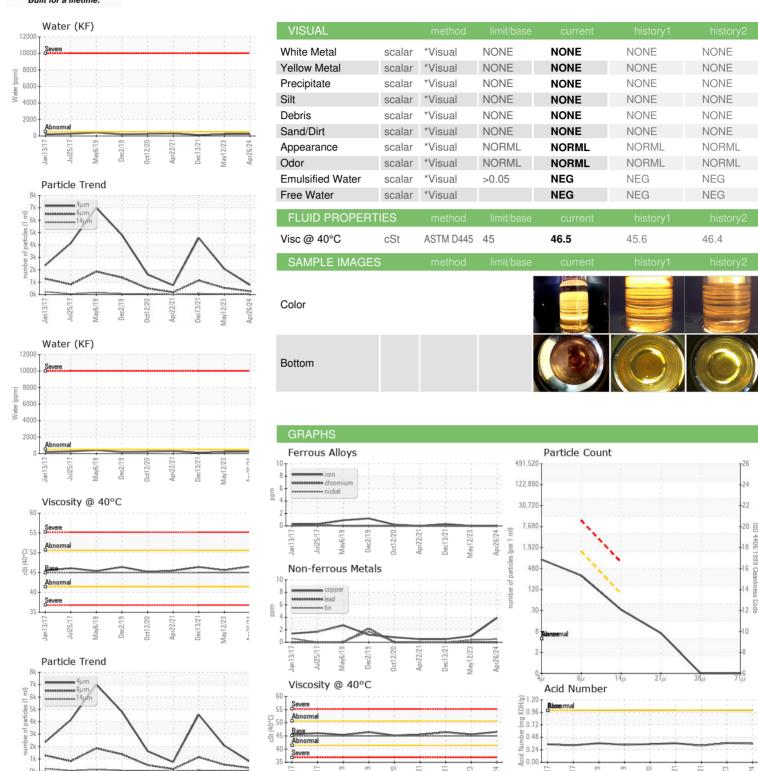
### **Fluid Condition**

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

Jan2017 Jul2017 Man2019 Dec2019 Occ2020 Apr2021 Dec2021 Man2022 Apr2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017431	KCP53431	KCP43829
Sample Date		Client Info		26 Apr 2024	12 May 2023	13 Dec 2021
Machine Age	hrs	Client Info		30976	28814	26321
Oil Age	hrs	Client Info		3000	2260	2026
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	3	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	4	1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
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	0	<1
Barium	ppm	ASTM D5185m	90	53	62	66
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		1	<1	0
Magnesium	ppm	ASTM D5185m	100	86	93	91
Calcium	ppm	ASTM D5185m	0	<1	2	3
Phosphorus	ppm	ASTM D5185m	0	0	0	2
Zinc	ppm	ASTM D5185m	0	0	7	0
Sulfur	ppm	ASTM D5185m	23500	22396	20776	17237
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		10	13	12
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.024	0.021	0.012
ppm Water	ppm	ASTM D6304	>500	243	213.9	123.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		765	2072	4573
Particles >6µm		ASTM D7647	>1300	266	535	1138
Particles >14µm		ASTM D7647	>80	28	38	75
Particles >21µm		ASTM D7647	>20	6	9	17
Particles >38µm		ASTM D7647	>4	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/12	18/16/12	17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number: 11023179

: KCPA017431 : 06177126

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

Diagnosed : 21 May 2024 - Jonathan Hester Test Package : IND 2 ( Additional Tests: KF, PrtCount )

: 13 May 2024

: 21 May 2024

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)

**HEXAGON METROLOGY** 

8105 BELTLINE RD IRVING, TX US 75061

Contact: SERVICE MANAGER

T:

F: