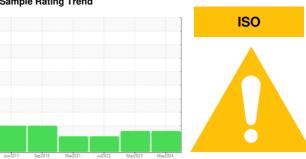


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER SM 10 4170540 (S/N 1085)

Compressor

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

## **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

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.

		Jun2017	Sep 2018 Mar 2021	Jul2022 May2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017851	KCP55220	KCP51514
Sample Date		Client Info		15 May 2024	11 May 2023	29 Jul 2022
Machine Age	hrs	Client Info		51653	51566	51435
Oil Age	hrs	Client Info		0	131	3000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	3	7	25
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	90	23	13	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	73	77	0
Calcium	ppm	ASTM D5185m	0	2	0	0
Phosphorus	ppm	ASTM D5185m	0	<1	0	<1
Zinc	ppm	ASTM D5185m	0	8	12	0
Sulfur	ppm	ASTM D5185m	23500	22321	22805	13874
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	0
Sodium	ppm	ASTM D5185m		10	9	2
Potassium	ppm	ASTM D5185m	>20	3	2	0
Water	%	ASTM D6304	>0.05	0.032	0.022	0.007
ppm Water	ppm	ASTM D6304	>500	323	225.3	70.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		42750	13593	5626
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>4050</u>	<b>1579</b>
Particles >14μm		ASTM D7647	>80	<u> </u>	<u>195</u>	85
Particles >21µm		ASTM D7647	>20	<u> </u>	<u>▲</u> 35	20
Particles >38μm		ASTM D7647	>4	5	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>23/21/16</u>	<u>^</u> 21/19/15	20/18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06195428

: KCPA017851 Unique Number : 11057551

Received : 30 May 2024 **Tested** : 31 May 2024 Diagnosed : 31 May 2024 - Angela Borella

Test Package : IND 2 ( Additional Tests: KF, PrtCount )

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

 $^st$  - 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)

Contact/Location: SERVICE MANAGER ? - IDTFOR

US 76137

T:

F:

**ID TECHNOLOGY** 

FORT WORTH, TX

5051 N SYLVANIA AVE

Contact: SERVICE MANAGER