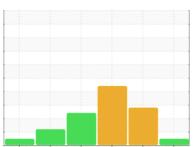


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 

Machine Id

# KAESER SM 15 3187412 (S/N 1096)

Compressor

KAESER SIGMA (OEM) M-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.

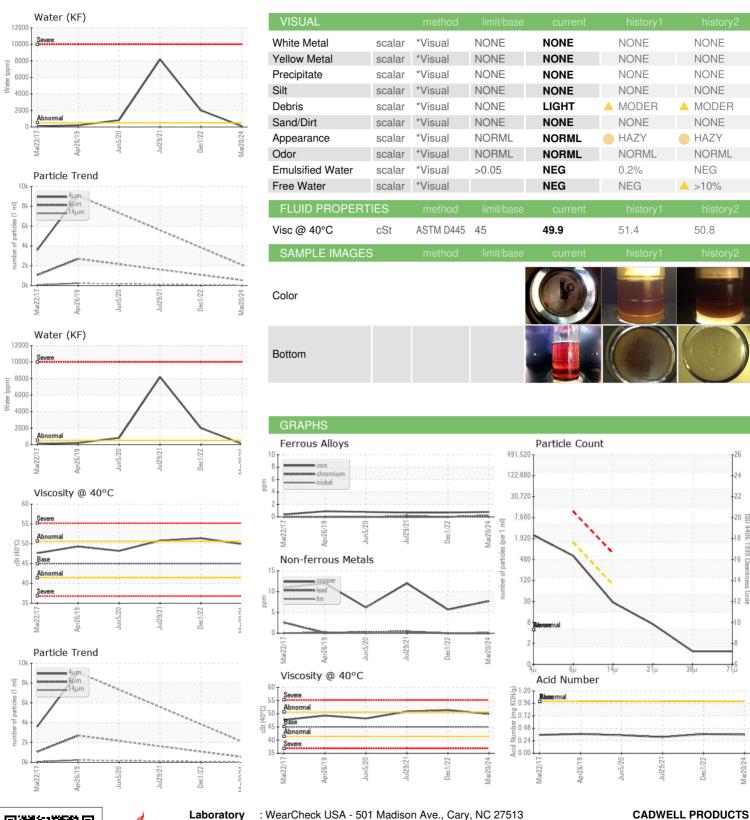
### **Fluid Condition**

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

		Mar2017	Apr2019 Jun2020	Jul2021 Dec2022	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015836	KCP46935D	KCP42767
Sample Date		Client Info		20 Mar 2024	01 Dec 2022	29 Jul 2021
Machine Age	hrs	Client Info		16461	14281	12121
Oil Age	hrs	Client Info		2180	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	8	6	12
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	14
Barium	ppm	ASTM D5185m	90	2	2	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	18	36	11
Calcium	ppm	ASTM D5185m	0	3	2	2
Phosphorus	ppm	ASTM D5185m	0	0	11	10
Zinc	ppm	ASTM D5185m	0	23	18	7
Sulfur	ppm	ASTM D5185m	23500	23583	22631	19776
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	<1
Sodium	ppm	ASTM D5185m		5	15	2
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.05	0.009	<b>△</b> 0.200	<b>△</b> 0.819
ppm Water	ppm	ASTM D6304	>500	92	▲ 2000	<b>▲</b> 8190
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2090		
Particles >6µm		ASTM D7647	>1300	537		
Particles >14µm		ASTM D7647	>80	25		
Particles >21µm		ASTM D7647	>20	6		
Particles >38µm		ASTM D7647	>4	1		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/12		



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory

Sample No. Lab Number Unique Number : 10967082

: 06142274

: KCPA015836

Received **Tested** Diagnosed Test Package : IND 2 ( Additional Tests: KF, PrtCount )

: 08 Apr 2024 : 11 Apr 2024

: 11 Apr 2024 - Don Baldridge

3 KUNIHOLM DR HOLLISTON, MA US 01746 Contact: JERE WILLIAMS jere\_williams@cadwellsign.com

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)

Report Id: CADHOL [WUSCAR] 06142274 (Generated: 04/12/2024 01:46:19) Rev: 1

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