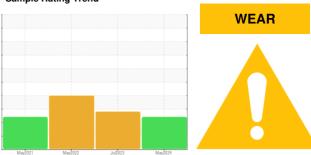


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **KAESER 5886671**

Component 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

The copper level has decreased, but is still abnormal. All other component wear rates are

#### Contamination

There is a high amount of particulates present in the oil.

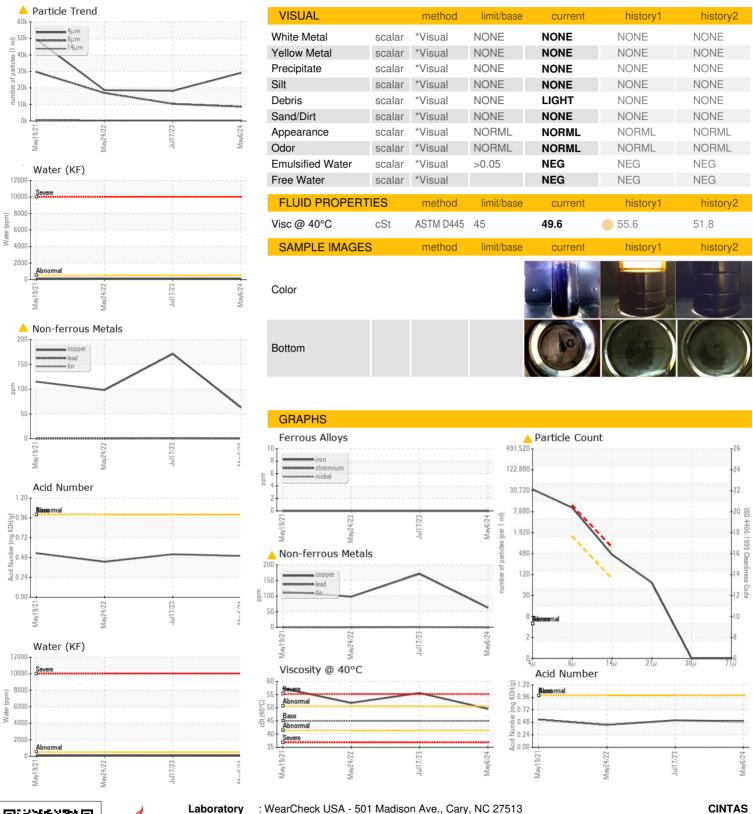
### **Fluid Condition**

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

SAMPLE INFORM	ΙΔΤΙΩΝΙ	method	limit/base	current	history1	history2
07 <u>11</u> 01	I/(IIOIN		III III Dasc	KCPA012561		
Sample Number		Client Info			KCPA004955	KCP51166
Sample Date Machine Age	hrs	Client Info		06 May 2024 42890	17 Jul 2023 38469	24 May 2022 31689
Oil Age	hrs	Client Info		0	0	5246
Oil Changed	1113	Client Info		Changed	N/A	Changed
Sample Status		Ollerit IIIIO		ABNORMAL	ABNORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	n 10 100	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m		<1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm		>50	<u> </u>	▲ 171	<u></u> 98
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	2
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	3	<1	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	2	57
Zinc	ppm	ASTM D5185m	0	85	0	2
Sulfur	ppm	ASTM D5185m	23500	19533	16369	20420
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		1	1	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water	%	ASTM D6304	>0.05	0.010	0.008	0.008
ppm Water	ppm	ASTM D6304	>500	104	86.2	83.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		29074	18237	18685
Particles >6µm		ASTM D7647	>1300	<u>A</u> 8652	<u>▲</u> 10348	<b>1</b> 6949
Particles >14μm		ASTM D7647	>80	<b>▲</b> 393	<u></u> 412	<u>438</u>
Particles >21μm		ASTM D7647	>20	<u>▲</u> 62	<u>^</u> 71	19
Particles >38µm		ASTM D7647	>4	0	1	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/20/16</u>	<u>\$\text{\Delta}\$ 21/21/16</u>	<b>▲</b> 21/21/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: KCPA012561 Lab Number : 06174649

Unique Number : 11020702

Received : 09 May 2024 **Tested** : 13 May 2024 Diagnosed : 13 May 2024 - Don Baldridge

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)

3400 BRILEY PARK BLVD N

Contact: Service Manager

NASHVILLE, TN

US 37207

T:

F: