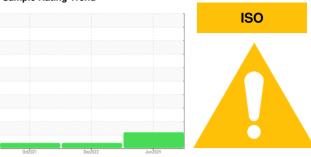


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER 5830338 (S/N 1161)

Compressor

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

### **DIAGNOSIS**

#### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. 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.

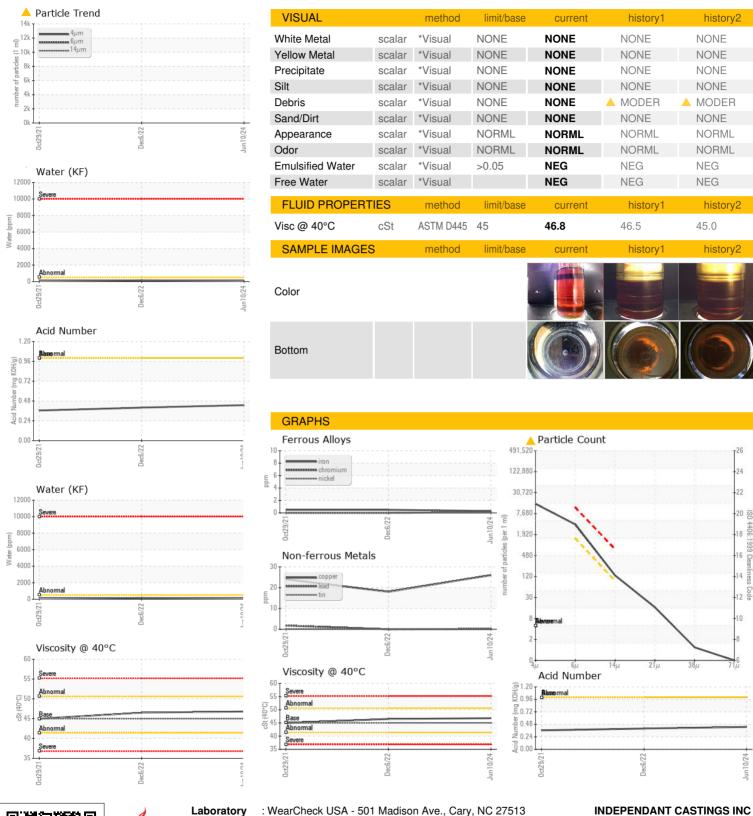
#### **Fluid Condition**

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

Oct021 Dec2022 Jun2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018656	KCP53369	KCP11967
Sample Date		Client Info		10 Jun 2024	06 Dec 2022	29 Oct 2021
Machine Age	hrs	Client Info		12862	10254	8033
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	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	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	<1	0	2
Copper	ppm	ASTM D5185m	>50	26	18	24
Tin	ppm	ASTM D5185m	>10	<1	0	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	19
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	100	2	30	5
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	3	3	0
Zinc	ppm	ASTM D5185m	0	52	103	36
Sulfur	ppm	ASTM D5185m	23500	18623	20836	22528
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		0	12	2
Potassium	ppm	ASTM D5185m	>20	<1	1	7
Water	%	ASTM D6304	>0.05	0.008	0.015	0.007
ppm Water	ppm	ASTM D6304	>500	83	151.9	74.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		12717		
Particles >6µm		ASTM D7647	>1300	<u>▲</u> 3278		
Particles >14μm		ASTM D7647	>80	114		
Particles >21µm		ASTM D7647	>20	14		
Particles >38μm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>21/19/14</u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Laboratory Sample No.

: KCPA018656 Lab Number

: 06209243 Unique Number : 11076704

Received : 13 Jun 2024 **Tested** : 16 Jun 2024 Diagnosed

: 16 Jun 2024 - Doug Bogart

PHILADELPHIA, PA US 19134

Contact: Service Manager

3413 MELVALE ST

Test Package : IND 2 ( Additional Tests: KF, PrtCount ) Certificate 12367 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) T:

F: