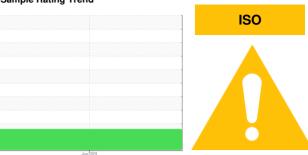


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **KAESER 5843202**

Component Compressor

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

### **DIAGNOSIS**

#### Recommendation

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.

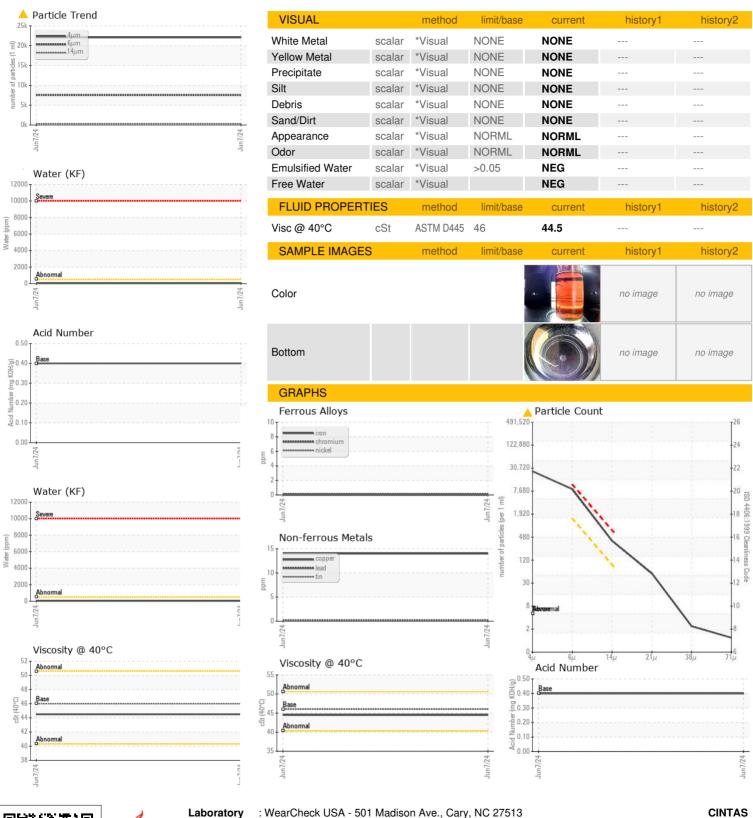
#### **Fluid Condition**

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

				Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA012933		
Sample Date		Client Info		07 Jun 2024		
Machine Age	hrs	Client Info		27289		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm		>10	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m		2		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m		14		
Tin		ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m	>10	0		
	ppm			-		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	90	2		
Calcium	ppm	ASTM D5185m	2	0		
Phosphorus	ppm	ASTM D5185m		2		
Zinc	ppm	ASTM D5185m		9		
Sulfur	ppm	ASTM D5185m		16260		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m	>L0	0		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D5165111	>0.05	0.003		
ppm Water	ppm	ASTM D6304	>50.05	39		
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	. 1000	22084		
Particles >6µm		ASTM D7647	>1300	<u>^</u> 7542		
Particles >14µm		ASTM D7647	>80	<b>▲</b> 339		
Particles >21µm		ASTM D7647	>20	<u>48</u>		
Particles >38µm		ASTM D7647	>4	2		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/20/16</u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.40		



## **OIL ANALYSIS REPORT**





Certificate 12367

Laboratory Sample No.

Lab Number

: KCPA012933 : 06209257 Unique Number : 11076718

Received : 13 Jun 2024 **Tested** 

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

: 16 Jun 2024 : 16 Jun 2024 - Doug Bogart

7355 DENNY ST HOUSTON, TX US 77040 Contact: Service Manager

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)

T:

F: