

# **OIL ANALYSIS REPORT**

KAESER 8647299

Component

Compressor

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

# Sample Rating Trend ISO

## **DIAGNOSIS**

#### Recommendation

No corrective action is recommended at this time. The 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.

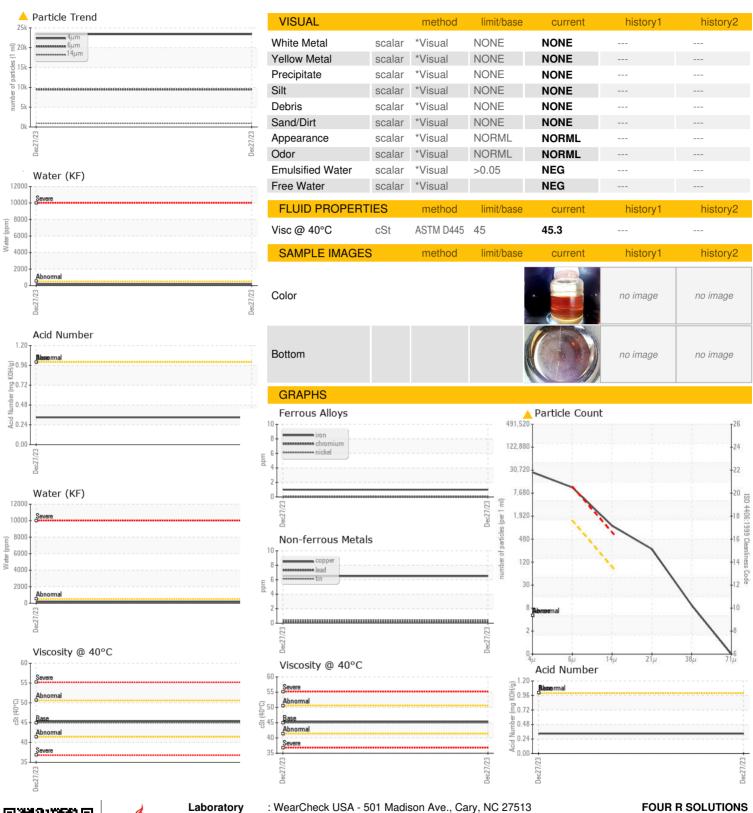
#### **Fluid Condition**

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

				Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA011893		
Sample Date		Client Info		27 Dec 2023		
Machine Age	hrs	Client Info		620		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>50	6		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	100	23		
Calcium	ppm	ASTM D5185m	0	1		
Phosphorus	ppm	ASTM D5185m	0	12		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	23500	20495		
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.05	0.016		
ppm Water	ppm	ASTM D6304	>500	164		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		23384		
Particles >6µm		ASTM D7647	>1300	<b>4</b> 9456		
Particles >14μm		ASTM D7647	>80	<b>945</b>		
Particles >21µm		ASTM D7647	>20	<b>233</b>		
Particles >38μm		ASTM D7647	>4	<u>^</u> 8		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>22/20/17</u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.33		



## **OIL ANALYSIS REPORT**





Laboratory Sample No. Lab Number **Unique Number** 

: 06058090

: KCPA011893 : 10829472

Recieved

Diagnosed

: 12 Jan 2024 Diagnostician : Don Baldridge

: 11 Jan 2024

Test Package : IND 2 ( Additional Tests: KF, PrtCount ) Certificate L2367 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) 7202 VOYLES RD

GREARVILLE, IN

Contact: Service Manager

US 47124

T: F: