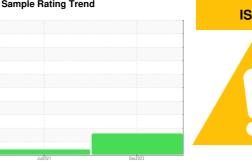


# **OIL ANALYSIS REPORT**

Sample Rating Trend



ISO

# KAESER 73591111

Component

Compressor

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

## **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**

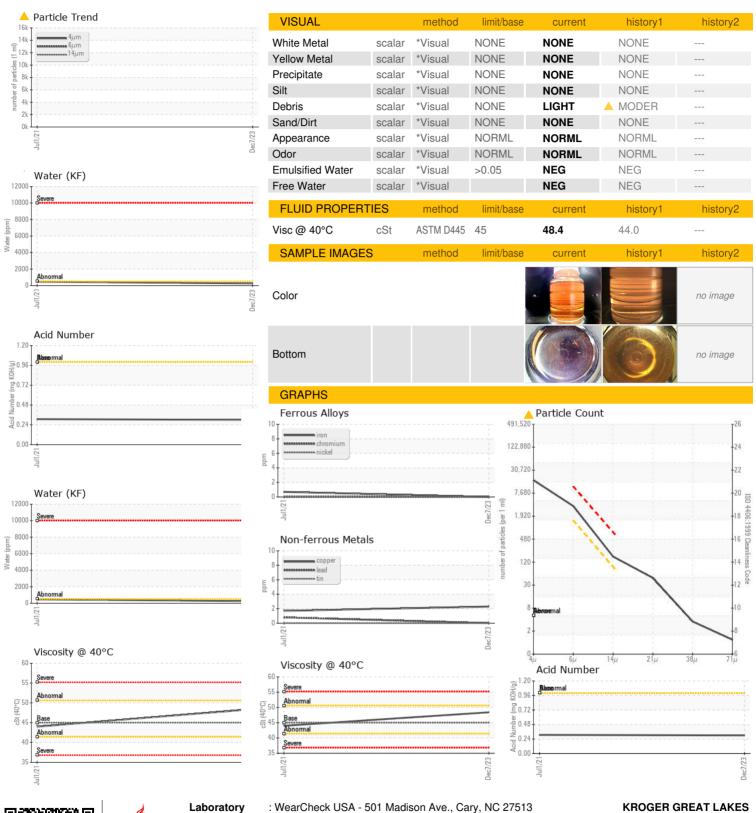
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Jul2021	Dec2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA010822	KCP33008	
Sample Date		Client Info		07 Dec 2023	01 Jul 2021	
Machine Age	hrs	Client Info		1360	1150	
Oil Age	hrs	Client Info		0	1150	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	2	2	
Tin	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	19	24	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	80	44	
Calcium	ppm	ASTM D5185m	0	0	<1	
Phosphorus	ppm	ASTM D5185m	0	0	7	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	23500	18290	15689	
CONTAMINANTS	)	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	
Sodium	ppm	ASTM D5185m		26	9	
Potassium	ppm	ASTM D5185m	>20	19	8	
Water	%	ASTM D6304	>0.05	0.025	0.046	
ppm Water	ppm	ASTM D6304	>500	250	467.2	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		14583		
Particles >6µm		ASTM D7647	>1300	<u>^</u> 3071		
Particles >14μm		ASTM D7647	>80	<u> </u>		
Particles >21µm		ASTM D7647	>20	<u></u> 41		
Particles >38μm		ASTM D7647	>4	3		
Particles >71μm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>21/19/14</u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.30	0.309	

Contact/Location: Service Manager - KRODEL



## **OIL ANALYSIS REPORT**







Certificate L2367

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

: 06055914

: 10821863

: KCPA010822

Recieved : 09 Jan 2024 Diagnosed

: 10 Jan 2024 Diagnostician : Don Baldridge

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

**KROGER GREAT LAKES** 2000 NUTTER FARM LN

DELAWARE, OH US 43015

Contact: Service Manager

T:

F: