

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **KAESER 8499032**

Component Compressor

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

#### 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

The amount and size of particulates present in the system are acceptable.

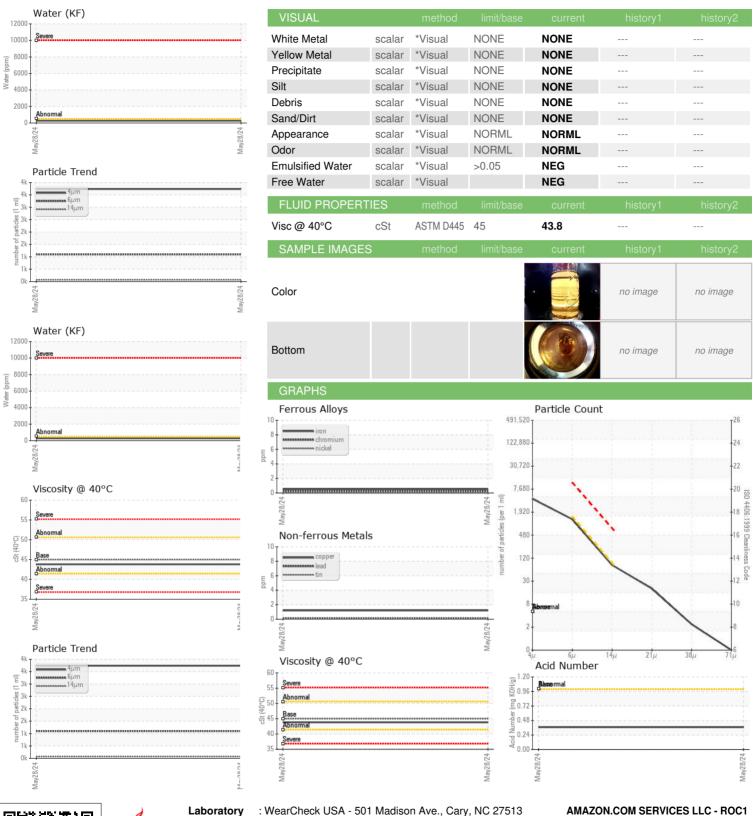
#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014681		
Sample Date		Client Info		28 May 2024		
Machine Age	hrs	Client Info		1644		
Oil Age	hrs	Client Info		1644		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	<1		
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	1		
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	83		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	100	92		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	0	6		
Zinc	ppm	ASTM D5185m	0	2		
Sulfur	ppm	ASTM D5185m	23500	20672		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		13		
Potassium	ppm	ASTM D5185m	>20	8		
Water	%	ASTM D6304	>0.05	0.027		
ppm Water	ppm	ASTM D6304	>500	270		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		3736		
Particles >6µm		ASTM D7647	>1300	1096		
Particles >14μm		ASTM D7647	>80	70		
Particles >21µm		ASTM D7647	>20	17		
Particles >38µm		ASTM D7647	>4	2		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.37		



## **OIL ANALYSIS REPORT**







Report Id: AMAROCNY [WUSCAR] 06203402 (Generated: 06/11/2024 18:55:11) Rev: 1

Laboratory Sample No.

Lab Number : 06203402 Unique Number : 11070863

: KCPA014681

Received **Tested** Diagnosed

: 07 Jun 2024 : 11 Jun 2024

: 11 Jun 2024 - Angela Borella

2600 MANITOU RD ROCHESTER, NY

US 14624

Contact: Service Manager

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

Contact/Location: Service Manager - AMAROCNY

T:

F: