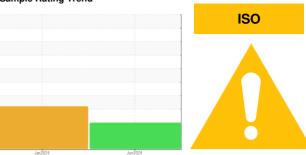


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 4403387 (S/N 1004)

Component Compressor

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

## **DIAGNOSIS**

#### Recommendation

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

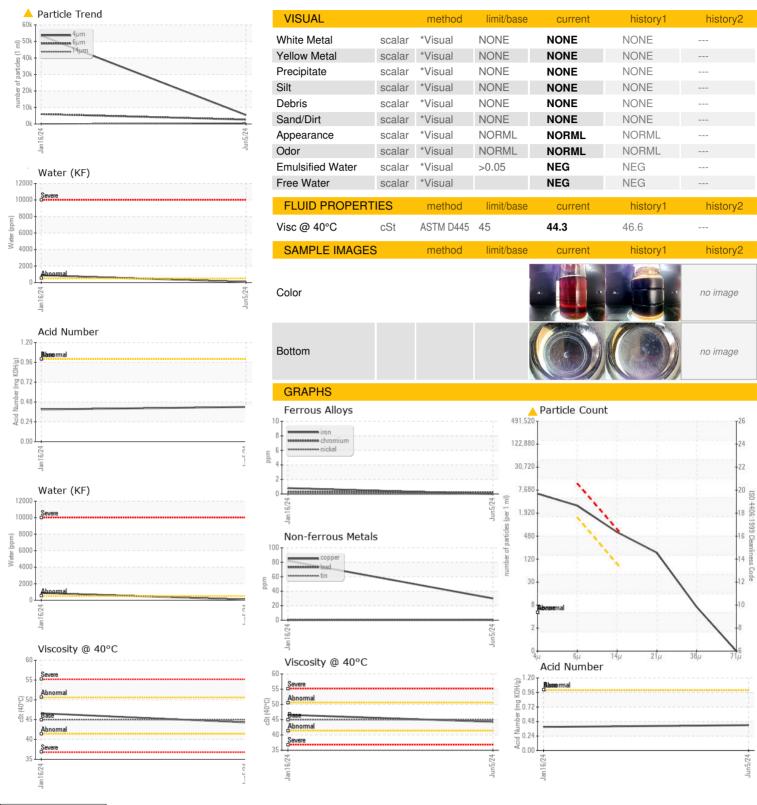
#### **Fluid Condition**

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

		L	Jan 2024	Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	IATION		IIIIIIIIIIIIIII			•
Sample Number		Client Info		KCPA012971	KCPA006547	
Sample Date		Client Info		05 Jun 2024	16 Jan 2024	
Machine Age	hrs	Client Info		80458	77515	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	2	2	
Lead	ppm	ASTM D5185m	>10	<1	0	
Copper	ppm	ASTM D5185m	>50	30	<u>A</u> 82	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	1-1-	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	400	0	0	
Magnesium	ppm	ASTM D5185m	100	<1	<1	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	0	0	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	23500	11503	16757	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Water	%	ASTM D6304	>0.05	0.007	△ 0.088	
ppm Water	ppm	ASTM D6304	>500	79	▲ 880	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		5402	53487	
Particles >6µm		ASTM D7647	>1300	<b>^</b> 2643	<b>△</b> 5997	
Particles >14µm		ASTM D7647	>80	<b>▲</b> 536	57	
Particles >21µm		ASTM D7647	>20	<b>156</b>	11	
Particles >38µm		ASTM D7647	>4	<u>^</u> 6	1	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/19/16	<u>\$\text{23/20/13}\$</u>	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.42	0.39	



## **OIL ANALYSIS REPORT**







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA012971 Lab Number : 06207823

Unique Number : 11075284

Received : 12 Jun 2024 **Tested** : 13 Jun 2024 Diagnosed

: 14 Jun 2024 - Don Baldridge

SANTA FE SPRINGS, CA

Contact/Location: Service Manager - HERSANCAL

Contact: Service Manager

13429 ALONDRA BLVD

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)

**HERAEUS** 

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