

# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

## **KAESER 6823206**

Component Compressor

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

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

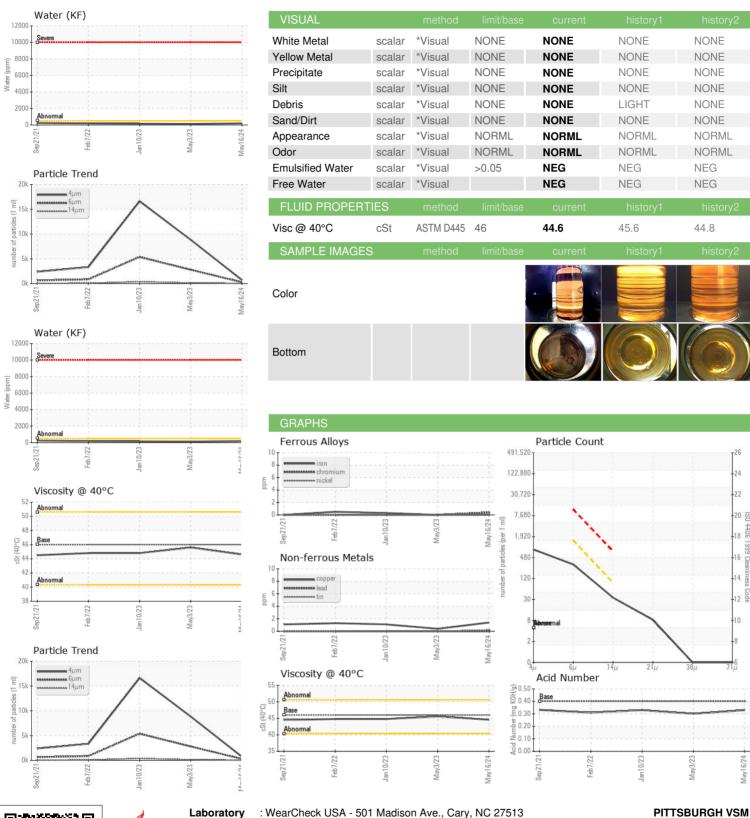
### **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC129020	KC102010	KC91306
Sample Date		Client Info		16 May 2024	03 May 2023	10 Jan 2023
Machine Age	hrs	Client Info		14762	12455	11796
Oil Age	hrs	Client Info		6000	4600	3000
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	1	<1	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	94	87	77
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	92	87	86
Calcium	nnm	AOTAL DELOE	0			
	ppm	ASTM D5185m	2	0	0	1
Phosphorus	ppm	ASTM D5185m ASTM D5185m	2	0 <1	0	1 14
Phosphorus Zinc			2	-		
·	ppm	ASTM D5185m	limit/base	<1	0	14
Zinc	ppm	ASTM D5185m ASTM D5185m	limit/base	<1 0	0	14
Zinc	ppm	ASTM D5185m ASTM D5185m method	limit/base	<1 0 current	0 0 history1	14 0 history2
Zinc  CONTAMINANTS  Silicon	ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base	<1 0 current	0 0 history1	14 0 history2 <1
Zinc  CONTAMINANTS  Silicon  Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	limit/base >25 >20	<1 0 current 0 10 2	0 0 history1 0 7 <1	14 0 history2 <1 9 <1
Zinc  CONTAMINANTS  Silicon  Sodium  Potassium	ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >25	<1 0 current 0 10	0 0 history1 0 7	14 0 history2 <1 9
Zinc  CONTAMINANTS  Silicon  Sodium  Potassium  Water	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304	limit/base >25 >20 >0.05	<1 0 current 0 10 2 0.020	0 0 history1 0 7 <1 0.013	14 0 history2 <1 9 <1 0.015
Zinc  CONTAMINANTS  Silicon Sodium Potassium Water ppm Water  FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	limit/base >25 >20 >0.05 >500	<1 0 current 0 10 2 0.020 204	0 0 history1 0 7 <1 0.013 132.5	14 0 history2 <1 9 <1 0.015 158.0
Zinc  CONTAMINANTS  Silicon  Sodium  Potassium  Water  ppm Water	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	limit/base >25 >20 >0.05 >500 limit/base	<1 0 current 0 10 2 0.020 204 current 714	0 0 history1 0 7 <1 0.013 132.5 history1 8823	14 0 history2 <1 9 <1 0.015 158.0 history2
Zinc  CONTAMINANTS  Silicon Sodium Potassium Water ppm Water  FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m  Method  ASTM D5185m  Method  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D6304  ASTM D6304  Method  ASTM D7647	limit/base >25 >20 >0.05 >500 limit/base	<1 0 current 0 10 2 0.020 204 current	0 0 history1 0 7 <1 0.013 132.5 history1	14 0 history2 <1 9 <1 0.015 158.0 history2
Zinc  CONTAMINANTS  Silicon Sodium Potassium Water ppm Water  FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 Method ASTM D7647 ASTM D7647	limit/base >25 >20 >0.05 >500 limit/base >1300	<1 0 current 0 10 2 0.020 204 current 714 268	0 0 history1 0 7 <1 0.013 132.5 history1 8823 ▲ 2783	14 0 history2 <1 9 <1 0.015 158.0 history2 16614
Zinc  CONTAMINANTS  Silicon Sodium Potassium Water ppm Water  FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >25 >20 >0.05 >500 limit/base >1300 >80 >20	<1 0 current 0 10 2 0.020 204 current 714 268 30 7	0 0 history1 0 7 <1 0.013 132.5 history1 8823 △ 2783 ○ 125 15	14 0 history2 <1 9 <1 0.015 158.0 history2 16614 \$\times 5378 \$\times 371 \$\times 84
Zinc  CONTAMINANTS  Silicon Sodium Potassium Water ppm Water  FLUID CLEANLIN Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m  method  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D6304  ASTM D6304  method  ASTM D7647  ASTM D7647  ASTM D7647  ASTM D7647  ASTM D7647  ASTM D7647	limit/base >25 >20 >0.05 >500 limit/base >1300 >80 >20 >4	<1 0 current 0 10 2 0.020 204 current 714 268 30 7 0	0 0 history1 0 7 <1 0.013 132.5 history1 8823 ▲ 2783 ● 125	14 0 history2 <1 9 <1 0.015 158.0 history2 16614 \$\triangle 5378 \$\triangle 371 \$\triangle 84 2
Zinc  CONTAMINANTS  Silicon Sodium Potassium Water ppm Water  FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >25 >20 >0.05 >500 limit/base >1300 >80 >20 >4	<1 0 current 0 10 2 0.020 204 current 714 268 30 7	0 0 1 0 7 <1 0.013 132.5 history1 8823 ▲ 2783 ■ 125 15 0	14 0 history2 <1 9 <1 0.015 158.0 history2 16614 \$\times 5378 \$\times 371 \$\times 84
Zinc  CONTAMINANTS  Silicon Sodium Potassium Water ppm Water  FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ppm ppm % ppm	ASTM D5185m ASTM D5185m  method  ASTM D5185m ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304  method  ASTM D7647	limit/base >25 >20 >0.05 >500 limit/base >1300 >80 >20 >4 >3	<1 0 current 0 10 2 0.020 204 current 714 268 30 7 0 0	0 0 history1 0 7 <1 0.013 132.5 history1 8823 ▲ 2783 125 15 0	14 0 history2 <1 9 <1 0.015 158.0 history2 16614 \$\triangle 5378 \$\triangle 371 \$\triangle 84 2



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. : KC129020 Lab Number : 06202725 Unique Number : 11070186 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024 **Tested** : 10 Jun 2024

Diagnosed : 10 Jun 2024 - Don Baldridge

20 SUMMIT PARK DR PITTSBURGH, PA US 15275 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)

Report Id: PITPIT [WUSCAR] 06202725 (Generated: 06/10/2024 13:21:39) Rev: 1

Contact/Location: Service Manager - PITPIT

T:

F: