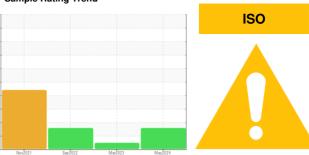


## **OIL ANALYSIS REPORT**

Sample Rating Trend



# [73558974] **KAESER 4738388**

Component Compressor

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

## **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.

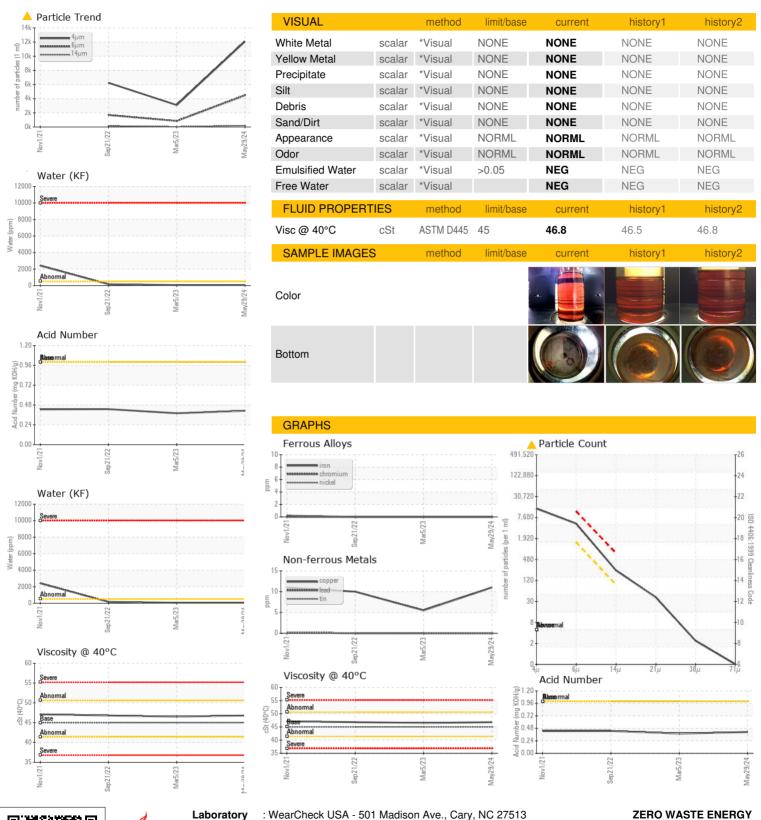
#### **Fluid Condition**

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

		NOVZUZ				
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017955	KCP55994	KCP50139
Sample Date		Client Info		29 May 2024	05 Mar 2023	21 Sep 2022
Machine Age	hrs	Client Info		63291	52089	48439
Oil Age	hrs	Client Info		0	1000	3000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	11	6	10
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	100	<1	4	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	2	0	10
Zinc	ppm	ASTM D5185m	0	16	24	24
Sulfur	ppm	ASTM D5185m	23500	21982	18121	20564
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.006	0.006	0.015
ppm Water	ppm	ASTM D6304	>500	66	62.3	159.4
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		12079	3094	6248
Particles >6µm		ASTM D7647	>1300	<u>4479</u>	847	<b>1685</b>
Particles >14μm		ASTM D7647	>80	<u>^</u> 206	30	144
Particles >21µm		ASTM D7647	>20	<u>▲</u> 35	4	22
Particles >38μm		ASTM D7647	>4	2	0	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>21/19/15</u>	19/17/12	20/18/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: 06202059

: KCPA017955 Unique Number : 11069520

Received **Tested** Diagnosed

: 09 Jun 2024 - Don Baldridge

: 06 Jun 2024

: 07 Jun 2024

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

685 LOS ESTEROS RD

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T:

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