

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machino Id

# KAESER SX 5 6797235 (S/N 1114)

Component

Compressor

KAESER SIGMA (OEM) FG-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 silt (particulates < 14 microns in size) present in the oil.

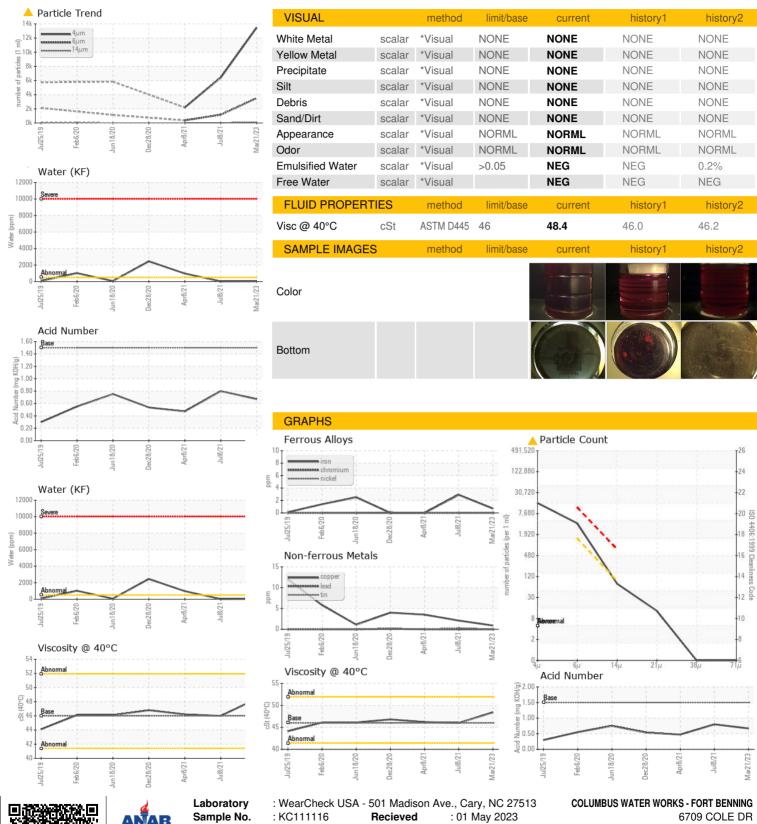
#### **Fluid Condition**

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

		Jul2019	Feb2020 Jun2020	Dec2020 Apr2021 Jul2021	Mar2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC111116	KC98328	KC86379
Sample Date		Client Info		21 Mar 2023	08 Jul 2021	08 Apr 2021
Machine Age	hrs	Client Info		29002	16117	14338
Oil Age	hrs	Client Info		4311	1779	6500
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	3	0
Chromium	ppm	ASTM D5185m	>10	0	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	3	2	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	2	4
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m			0	0
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	1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		2	<1	<1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	203	423	165
Zinc	ppm	ASTM D5185m		262	537	214
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	<1
Sodium	ppm	ASTM D5185m		1	6	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.003	0.001	▲ 0.098
ppm Water	ppm	ASTM D6304	>500	33.6	8.7	<b>△</b> 980
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		13467	6408	2187
Particles >6µm		ASTM D7647	>1300	<b>4</b> 3512	1165	371
Particles >14µm		ASTM D7647	>80	66	32	30
Particles >21µm		ASTM D7647	>20	11	7	15
Particles >38µm		ASTM D7647	>4	0	0	11
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 21/19/13	17/12	16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**







Certificate L2367

Lab Number **Unique Number** 

Test Package

. 05834590 : 10453393 : IND 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: 03 May 2023 Diagnosed : Don Baldridge Diagnostician

FORT BENNING, GA US 31905 Contact: J GRADDICK

JGRADDICK@CWWGA.ORG

\* - 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)

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