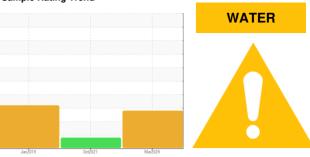


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER SM 11 2175784 (S/N 1723)

Compressor

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

## **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. We were unable to perform a particle count due to a high concentration of particles and water present in this

#### Wear

All component wear rates are normal.

### Contamination

Appearance is hazy. There is a light concentration of water present in the oil. Light concentration of visible dirt/debris present in the oil.

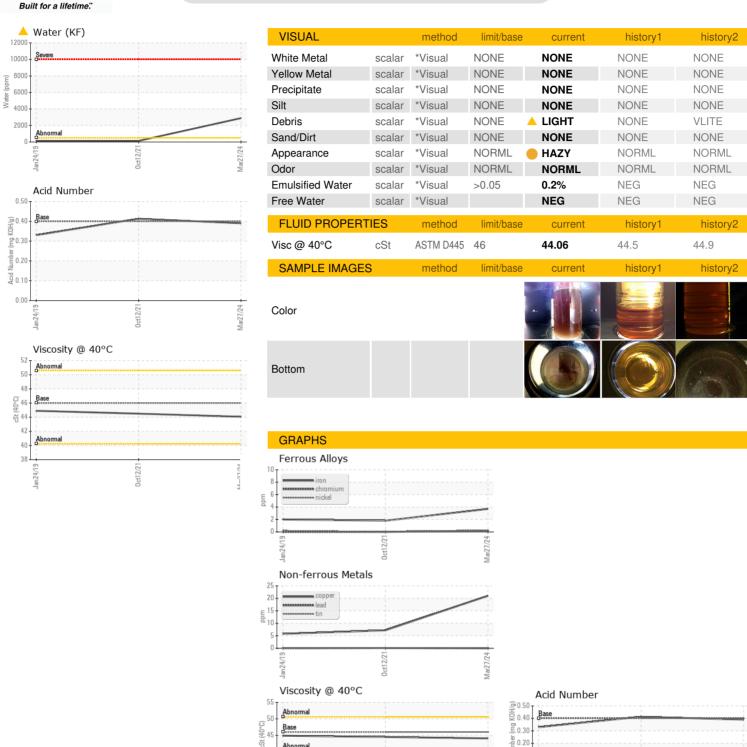
## **Fluid Condition**

The AN level is acceptable for this fluid.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	MATION		IIIIIIIIIIIIII			
Sample Number		Client Info		KCPA015982	KCP05379711	KCP00877
Sample Date		Client Info		27 Mar 2024	12 Oct 2021	24 Jan 2019
Machine Age	hrs	Client Info		43567	41449	40398
Oil Age	hrs	Client Info		0	1051	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	2	2
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m		2	0	0
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm		>50	21	7	6
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m			0	0
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	<1	<1
Barium	ppm	ASTM D5185m	90	<1	0	1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	1	<1
Magnesium	ppm	ASTM D5185m	90	2	23	40
Calcium	ppm	ASTM D5185m	2	4	0	<1
Phosphorus	ppm	ASTM D5185m		0	4	<1
Zinc	ppm	ASTM D5185m		16	42	9
Sulfur	ppm	ASTM D5185m		19790	16958	22205
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	14	<u>49</u>
Sodium	ppm	ASTM D5185m		0	7	8
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water	%	ASTM D6304	>0.05	<u> </u>	0.013	0.012
ppm Water	ppm	ASTM D6304	>500	<u>^</u> 2890	133.7	120
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647			5088	64230
Particles >6µm		ASTM D7647	>1300		1163	<u>▲</u> 11323
Particles >14μm		ASTM D7647	>80		89	<b>△</b> 355
Particles >21µm		ASTM D7647	>20		<b>22</b>	<u>159</u>
Particles >38μm		ASTM D7647	>4		2	<u>22</u>
Particles >71μm		ASTM D7647	>3		0	1
Oil Cleanliness		ISO 4406 (c)	>/17/13		17/14	<u>^</u> 21/16
FLUID DEGRADA		method	limit/base	current	history1	history2



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory

Sample No. Lab Number Unique Number : 10967044

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA015982 : 06142236

Received Tested

: 12 Apr 2024 Diagnosed Test Package : IND 2 ( Additional Tests: KF, PrtCount )

: 12 Apr 2024 - Doug Bogart

: 08 Apr 2024

≥ 0.10 00.00 PG

CHICOPEE, MA US 01020 Contact: ACCOUNTING accounting@interstate.com

**INTERSTATE TOWING** 

1660 WESTOVER RD

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)

Oct12/21

T:

F: