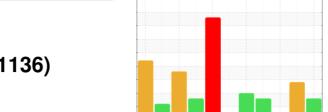


### **OIL ANALYSIS REPORT**



Sample Rating Trend

ISO

Machine Id

## KAESER SM 10 6287523 (S/N 1136) Compressor

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

#### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

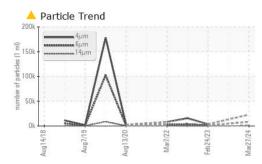
There is a high amount of particulates present in the oil.

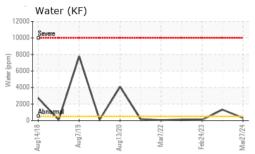
#### Fluid Condition

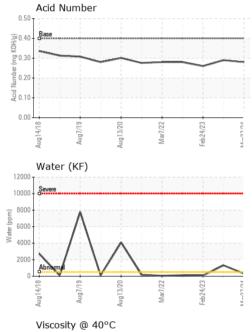
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

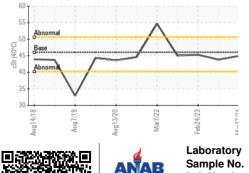
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC130490	KC124592	KC108314
Sample Date		Client Info		27 Mar 2024	30 Aug 2023	24 Feb 2023
Machine Age	hrs	Client Info		28259	25976	22824
Oil Age	hrs	Client Info		6000	0	3000
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	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	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	13	21	18
Tin	ppm	ASTM D5185m	>10	0	<1	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	0	0
Barium	ppm	ASTM D5185m	90	0	2	3
Molybdenum	ppm	ASTM D5185m	00	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	2
Magnesium	ppm	ASTM D5185m	90	۰ <1	20	15
Calcium	ppm	ASTM D5185m		0	2	<1
Phosphorus	ppm	ASTM D5185m	2	0	9	1
Zinc	ppm	ASTM D5185m		6	26	39
				U	20	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		3	1	3
Potassium	ppm	ASTM D5185m		<1	1	0
Water	%	ASTM D6304		0.031	▲ 0.132	0.007
ppm Water	ppm	ASTM D6304	>500	314	▲ 1320	71.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		22841		3565
Particles >6µm		ASTM D7647	>1300	<u> </u>		996
Particles >14µm		ASTM D7647	>80	<b>A</b> 733		53
Particles >21µm		ASTM D7647		<u> </u>		15
Particles >38µm		ASTM D7647	>4	3		1
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 22/20/17		19/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2





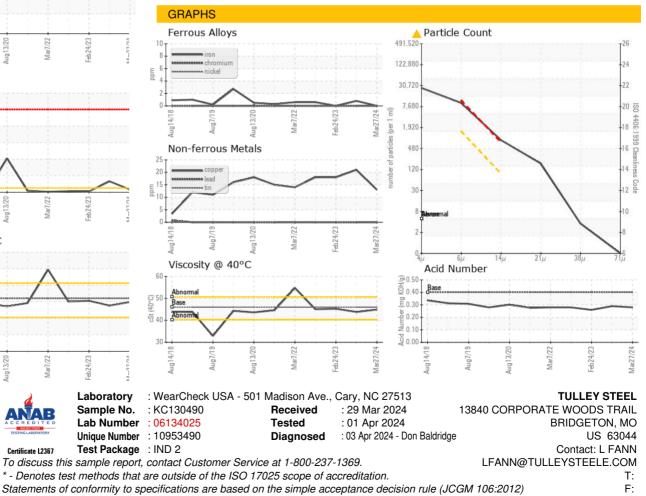






# **OIL ANALYSIS REPORT**

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.9	43.8	45.3
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						
Bottom						Co:



Contact/Location: L FANN - TULBRI Page 2 of 2