

## **OIL ANALYSIS REPORT**

### Sample Rating Trend



Machine Id

# KAESER SFC-110S-T 4618801 (S/N 1001)

Component Compressor

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

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

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.

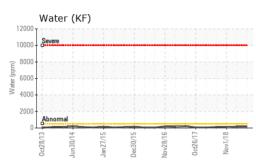
### Fluid Condition

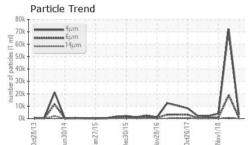
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

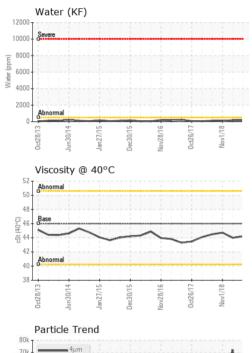
		et2013 Jun	2014 Jan2015 Dec2	015 Nov2016 Oct2017 N	lov2018	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC121473	KC107921	KC52529
Sample Date		Client Info		18 Sep 2023	17 Apr 2023	01 Nov 2018
Machine Age	hrs	Client Info		61598	61579	34964
Oil Age	hrs	Client Info		0	0	3922
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	2	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	<1	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	2	2	9
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				<1
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	43	61	2
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	45	71	4
Calcium	ppm	ASTM D5185m	2	<1	2	0
Phosphorus	ppm	ASTM D5185m		11	2	5
Zinc	ppm	ASTM D5185m		2	5	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	3
Sodium	ppm	ASTM D5185m		13	18	<1
Potassium	ppm	ASTM D5185m	>20	6	7	0
Water	%	ASTM D6304	>0.05	0.017	0.017	0.009
ppm Water	ppm	ASTM D6304	>500	176	171.4	90
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3024	72355	3898
Particles >6µm		ASTM D7647	>1300	688	<b>1</b> 8932	920
Particles >14µm		ASTM D7647	>80	38	<b>A</b> 717	66
Particles >21µm		ASTM D7647	>20	11	<b>1</b> 49	16
Particles >38µm		ASTM D7647	>4	1	2	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/12	▲ 23/21/17	17/13
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.41	0.41	0.445

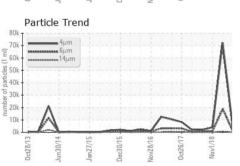


# **OIL ANALYSIS REPORT**





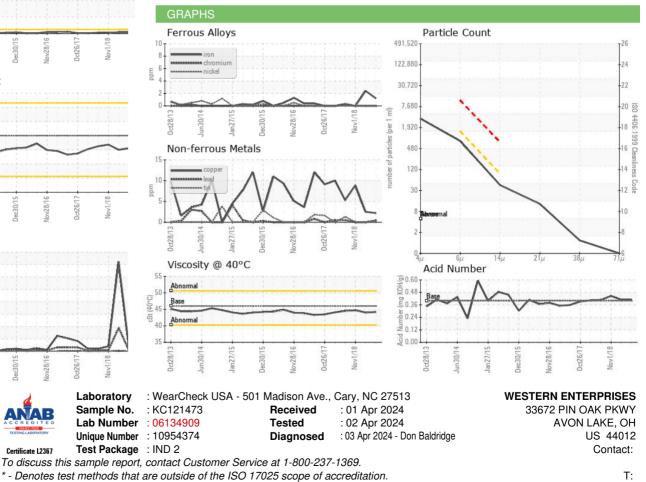




Certificate L2367

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	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.2	44.0	44.72
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color				a.		

Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: WESAVO [WUSCAR] 06134909 (Generated: 04/03/2024 22:33:13) Rev: 1

Contact/Location: ? ? - WESAVO Page 2 of 2

F: