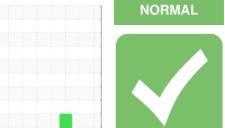


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 4683017 (S/N 1445)

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.

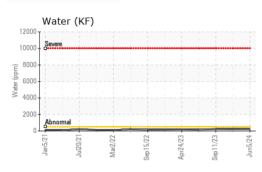
### Fluid Condition

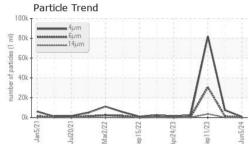
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

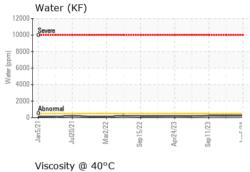
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		KC06216891	KC06047786	KC05975749
Sample Date		Client Info		05 Jun 2024	11 Dec 2023	11 Sep 2023
Machine Age	hrs	Client Info		26371	24315	23233
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
		ASTM D5185m	>50		0	0
Iron	ppm			<1		
Chromium	ppm	ASTM D5185m		<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m		3	0	0
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m		4	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	4	0	8
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	90	37	47	81
Calcium	ppm	ASTM D5185m	2	0	0	4
Phosphorus	ppm	ASTM D5185m		3	57	<1
Zinc	ppm	ASTM D5185m		11	0	1
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		8	20	15
Potassium	ppm	ASTM D5185m	>20	2	3	<1
Water	%	ASTM D6304	>0.05	0.023	0.022	0.024
ppm Water	ppm	ASTM D6304	>500	233	221	242.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		722	7599	82071
Particles >6µm		ASTM D7647	>1300	284	1375	▲ 30669
Particles >14µm		ASTM D7647	>80	11	73	▲ 3623
Particles >21µm		ASTM D7647	>20	3	19	▲ 754
Particles >38µm		ASTM D7647	>4	0	1	<b>A</b> 21
Particles >71µm		ASTM D7647	>3	0	0	2
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/11	20/18/13	▲ 24/22/19
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.34	0.34	0.40
	39					

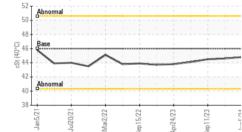


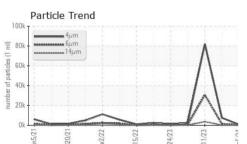
# **OIL ANALYSIS REPORT**



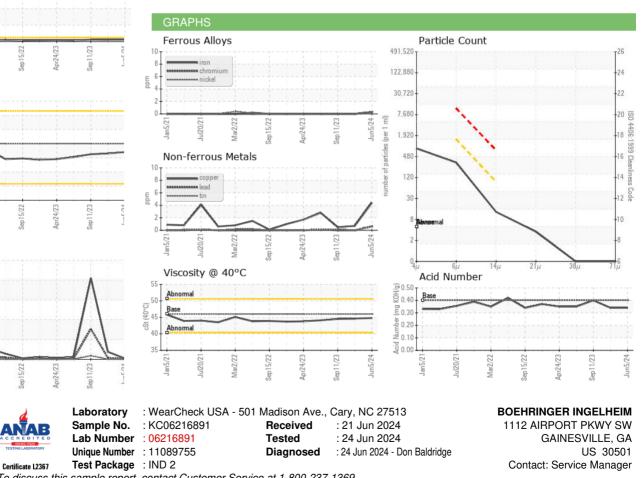








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	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	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.8	44.6	44.5
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				•	•	
Bottom						



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)

T: F:

Report Id: BOEGAI [WUSCAR] 06216891 (Generated: 06/24/2024 13:29:28) Rev: 1

Contact/Location: Service Manager - BOEGAI Page 2 of 2