

# **OIL ANALYSIS REPORT**

# KAESER BSD 50T 7480131 (S/N 1076)

Compressor

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

#### DIAGNOSIS

#### Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## Wear

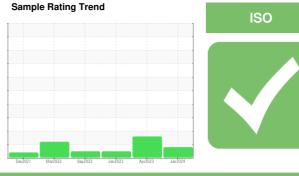
All component wear rates are normal.

### Contamination

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

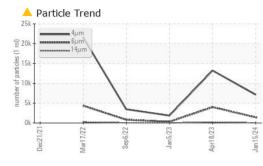
#### Fluid Condition

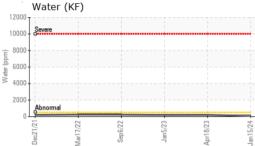
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

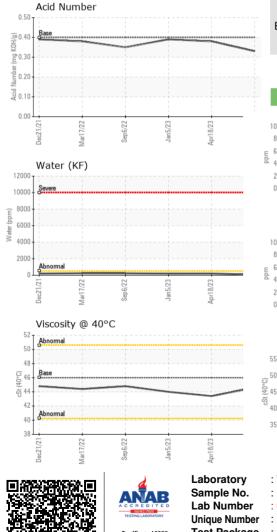


SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		KC127691	KC102037	KC104842
Sample Date		Client Info		15 Jan 2024	18 Apr 2023	05 Jan 2023
Machine Age	hrs	Client Info		14829	11565	10276
Oil Age	hrs	Client Info		0	3000	3000
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ATTENTION	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	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	<1	1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	7	2	2
Tin	ppm	ASTM D5185m	>10	0	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	0	0
Barium	ppm	ASTM D5185m	90	0	29	46
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	5	72	73
Calcium	ppm	ASTM D5185m	2	0	2	<1
Phosphorus	ppm	ASTM D5185m		0	3	<1
Zinc	ppm	ASTM D5185m		12	0	9
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		5	20	16
Potassium	ppm	ASTM D5185m	>20	2	8	5
Water	%	ASTM D6304	>0.05	0.008	0.021	0.020
ppm Water	ppm	ASTM D6304	>500	80	210.1	202.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7131	13231	1867
Particles >6µm		ASTM D7647	>1300	🔺 1417	<b>4</b> 011	302
Particles >14µm		ASTM D7647	>80	42	<b>2</b> 03	17
Particles >21µm		ASTM D7647	>20	6	<b>4</b> 3	4
Particles >38µm		ASTM D7647	>4	1	1	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>20/18/13</b>	<b>2</b> 1/19/15	18/15/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.33	0.38	0.39



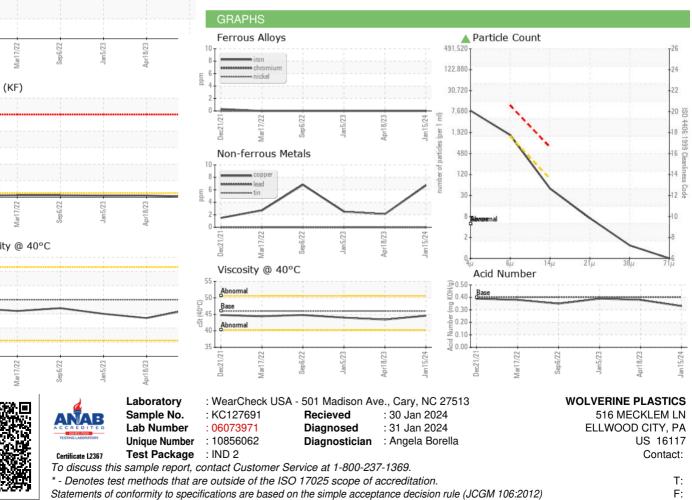






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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
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 PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.6	43.4	44.0
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						



Contact/Location: ? ? - WOLELL

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