

# **OIL ANALYSIS REPORT**

## KAESER BSD 50 4590172 (S/N 1281) Component

Compressor

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

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

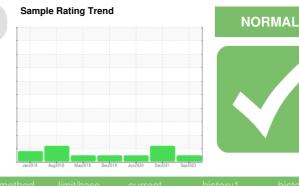
All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### Fluid Condition

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



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA004169	KCP43527	KCP10777
Sample Date		Client Info		19 Sep 2023	02 Dec 2021	30 Jun 2020
Machine Age	hrs	Client Info		27769	22015	18427
Oil Age	hrs	Client Info		0	2414	4206
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
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	2
Copper	ppm		>50	19	9	6
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m			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	0	21
Molybdenum	ppm	ASTM D5185m		0	0	3
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	23	52	63
Calcium	ppm	ASTM D5185m	2	1	0	2
Phosphorus	ppm	ASTM D5185m		2	0	0
Zinc	ppm	ASTM D5185m		78	9	17
Sulfur	ppm	ASTM D5185m		19584	18590	17038
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		11	19	26
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water	%	ASTM D6304	>0.05	0.022	0.020	0.026
ppm Water	ppm	ASTM D6304		223.0	204.7	269.4
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		879	13046	3632
Particles >6µm		ASTM D7647	>1300	278	<b>A</b> 3077	983
Particles >14μm		ASTM D7647	>80	26	<b>1</b> 75	60
Particles >21µm		ASTM D7647	>20	10	<u> </u>	15
Particles >38µm		ASTM D7647	>4	1	3	4
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/15/12	▲ 19/15	17/13
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045	0.4	0.38	0.456	0.368

Acid Number (AN) mg KOH/g ASTM D8045 0.4

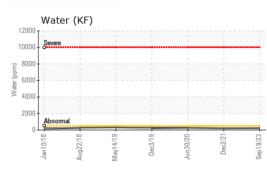
Report Id: XCAPRY [WUSCAR] 05967021 (Generated: 10/04/2023 16:48:55) Rev: 1

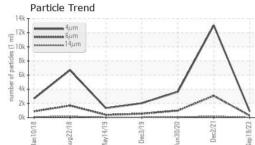
0.456 0.38 0.368

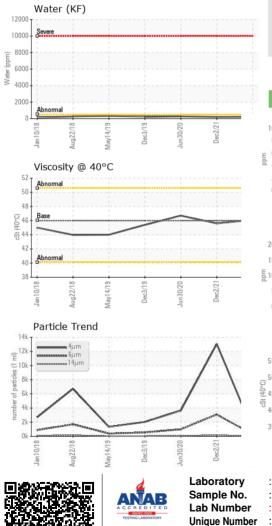
Contact/Location: C. MELLON - XCAPRY



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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	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 PROPER	ΓIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	46.1	45.6	46.7
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						
Bottom						

