

OIL ANALYSIS REPORT

KAESER BSD 60 5229879 (S/N 2827)

Compressor

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

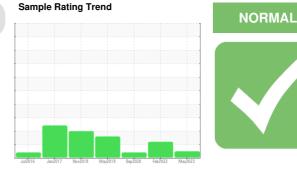
All component wear rates are normal.

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.

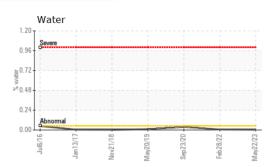


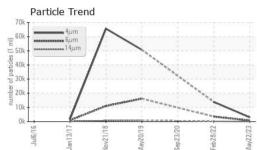
SAMPLE INFORM	ΜΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		KC102775	KC95641	KC93702
Sample Date		Client Info		22 May 2023	28 Feb 2022	23 Sep 2020
Machine Age	hrs	Client Info		43039	35068	33023
Oil Age	hrs	Client Info		8000	0	2000
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	4
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	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	42	7	9
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				<1
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	<1	<1
Barium	ppm	ASTM D5185m	90	2	37	51
Molybdenum	ppm	ASTM D5185m	00	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	<1	65	58
Calcium	ppm	ASTM D5185m	2	0	1	1
Phosphorus	ppm	ASTM D5185m		0	2	2
Zinc	ppm	ASTM D5185m		64	14	17
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m		<1	0	<1
Sodium	ppm	ASTM D5185m	>20	<1	2	3
Potassium	ppm	ASTM D5185m	>20	۰ ۱	0	
Water	ppm %	ASTM D5185III ASTM D6304		0.003	0.006	0.036
ppm Water	ppm	ASTM D0304 ASTM D6304	>500	32.5	69.4	369.1
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2949	13919	
Particles >6µm		ASTM D7647	>1300	768	▲ 3479	
Particles >14µm		ASTM D7647	>80	52	▲ 209	
Particles >21µm		ASTM D7647		14	▲ 59	
Particles >38µm		ASTM D7647	>4	1	3	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>17/13	17/13	▲ 19/15	
FLUID DEGRADA		method	limit/base	current	history1	history2
			0.4	0.44	0.394	0.444
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.44	0.394	U.444

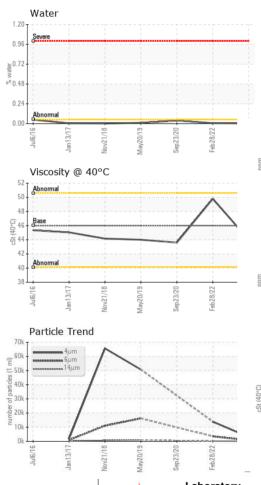
Contact/Location: ? ? - USSECO



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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	🔺 MODER
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	44.0	49.8	43.6
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

Bottom

