

OIL ANALYSIS REPORT

KAESER SK-26 1865537 (S/N 1190) Component

Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

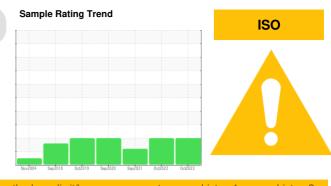
All component wear rates are normal.

Contamination

There is a high 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.



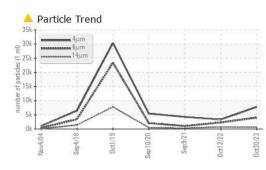
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA006446	KCP47236D	KCP11920
Sample Date		Client Info		30 Oct 2023	12 Oct 2022	09 Sep 2021
Machine Age	hrs	Client Info		15782	15700	15678
Oil Age	hrs	Client Info		0	86	3000
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m		0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		0	0	3
Lead	ppm	ASTM D5185m	>10	0	<1	1
Copper	ppm	ASTM D5185m		0	0	<1
Tin		ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m	>10			0
Vanadium	ppm	ASTM D5185m		0	0	0
	ppm					
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m	90	67	58	68
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	69	78	89
Calcium	ppm	ASTM D5185m	2	0	2	2
Phosphorus	ppm	ASTM D5185m		0	7	2
Zinc	ppm	ASTM D5185m		0	2	0
Sulfur	ppm	ASTM D5185m		17293	18627	17850
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		8	5	9
Potassium	ppm	ASTM D5185m	>20	0	2	<1
Water	%	ASTM D6304	>0.05	0.017	0.028	0.031
ppm Water	ppm	ASTM D6304	>500	172	285.3	316.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7797	3313	4259
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	1020
Particles >14µm		ASTM D7647		6 24	686	2 49
Particles >21µm		ASTM D7647	>20	<u> </u>	A 215	1 02
Particles >38µm		ASTM D7647	>4	<u>▲</u> 5	<u> </u>	<u> </u>
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	▲ 19/18/17	▲ 17/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.30	0.29	0.313

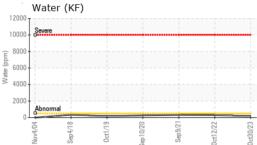
Acid Number (AN) Report Id: GADMAR [WUSCAR] 06073925 (Generated: 01/31/2024 15:44:50) Rev: 1

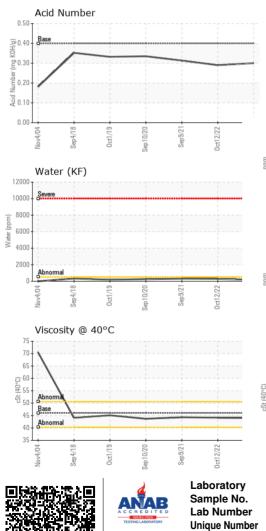
Contact/Location: SERVICE MANAGER - GADMAR



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	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	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.0	44.1	44.3
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				•		
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