

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER BS 51 1195473 (S/N 410086)

Compressor

KAESER SIGMA (OEM) M-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 silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		Ma	y2021	Aug2022 Jan202	4	
SAMPLE INFORM	ΙΔΤΙΩΝ	method	limit/base	current	history1	history2
	IATION		IIIIIIVDase		,	
Sample Number		Client Info		KCPA006585	KCP50539	KCP33552
Sample Date	la una	Client Info		11 Jan 2024	17 Aug 2022	06 May 2021
Machine Age	hrs	Client Info		49905	40442	40389
Oil Age	hrs	Client Info		0	52	2000
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m		0	<1	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m		1	2	0
Lead	ppm	ASTM D5185m	>10	2	<1	0
Copper	ppm	ASTM D5185m		4	<1	3
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	1
Barium	ppm	ASTM D5185m	90	14	16	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m	100	29	56	<1
Calcium	ppm	ASTM D5185m	0	1	2	0
Phosphorus	ppm	ASTM D5185m	0	1	<1	0
Zinc	ppm	ASTM D5185m	0	29	37	33
Sulfur	ppm	ASTM D5185m	23500	19523	18523	18424
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		4	2	0
Potassium	ppm	ASTM D5185m	>20	4	<1	0
Water	%	ASTM D6304	>0.05	0.011	0.013	0.009
ppm Water	ppm	ASTM D6304	>500	112	130.4	96.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		11250	3054	4042
Particles >6µm		ASTM D7647	>1300	2539	373	903
Particles >14μm		ASTM D7647	>80	70	9	73
Particles >21µm		ASTM D7647	>20	15	1	22
Particles >38μm		ASTM D7647	>4	0	0	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	19/16/10	17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.40

0.579



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