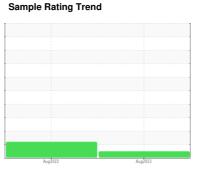


OIL ANALYSIS REPORT



NORMAL



KAESER 4253597

Component

Compressor

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

Recommendation

Resample at the next service interval to monitor.

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.

			Aug2022	Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA002846	KCP48166	
Sample Date		Client Info		24 Aug 2023	16 Aug 2022	
Machine Age	hrs	Client Info		28939	26933	
Oil Age	hrs	Client Info		0	4000	
Oil Changed		Client Info		N/A	Changed	
Sample Status				NORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	5	11	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	1	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	100	18	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	2	7	
Zinc	ppm	ASTM D5185m	0	20	8	
Sulfur	ppm	ASTM D5185m	23500	19172	18022	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	
Sodium	ppm	ASTM D5185m		8	1	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.05	0.011	0.007	
ppm Water	ppm	ASTM D6304	>500	116.5	71.1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		942	1253	
Particles >6µm		ASTM D7647	>1300	347	305	
Particles >14μm		ASTM D7647	>80	40	9 0	
Particles >21µm		ASTM D7647	>20	8	<u>45</u>	
Particles >38µm		ASTM D7647	>4	0	2	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/16/12	△ 17/15/14	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Aoid Number (AN)	ma 1/011/-	ACTM DOGGE	1.0	0.27	0.45	

Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.45

0.37



OIL ANALYSIS REPORT

