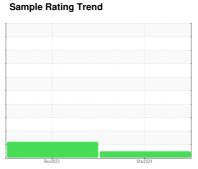


OIL ANALYSIS REPORT



NORMAL



KAESER 8479648

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.

			Nov2023	Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015568	KCPA007154	
Sample Date		Client Info		13 Mar 2024	03 Nov 2023	
Machine Age	hrs	Client Info		9702	6590	
Oil Age	hrs	Client Info		3112	0	
Oil Changed	1110	Client Info		Changed	N/A	
Sample Status		Chorte trillo		NORMAL	ABNORMAL	
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	1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum		ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
	ppm			۰ <1	<1	
Copper Tin	ppm	ASTM D5185m ASTM D5185m	>50 >10	0	<1	
	ppm		>10			
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	<1	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	35	28	
Calcium	ppm	ASTM D5185m	0	0	2	
Phosphorus	ppm	ASTM D5185m	0	1	<1	
Zinc	ppm	ASTM D5185m	0	9	0	
Sulfur	ppm	ASTM D5185m	23500	21422	17768	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	
Sodium	ppm	ASTM D5185m		8	7	
Potassium	ppm	ASTM D5185m	>20	0	2	
Water	%	ASTM D6304	>0.05	0.012	0.015	
ppm Water	ppm	ASTM D6304	>500	125	154	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2995	8164	
Particles >6µm		ASTM D7647	>1300	774	<u>▲</u> 3427	
Particles >14μm		ASTM D7647	>80	17	125	
Particles >21µm		ASTM D7647	>20	2	19	
Particles >38µm		ASTM D7647	>4	0	1	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/11	2 0/19/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.38	0.33	



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