

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

KAESER AS 20 6950567 (S/N 1189)

Component Compressor Fluid

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

The copper level is abnormal. All other 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 acceptable for the time in service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016817	KCP54221	
Sample Date		Client Info		11 Apr 2024	24 Feb 2023	
Machine Age	hrs	Client Info		5014	3019	
Oil Age	hrs	Client Info		3000	3019	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	1	<1	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m	>3	<1	0	
Titanium	ppm	ASTM D5185m	>3	<1	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	2	<1	
Lead	ppm	ASTM D5185m	>10	1	0	
Copper	ppm	ASTM D5185m	>50	<u> </u>	<u> </u>	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	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	<1	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	100	6	<1	
Calcium	ppm	ASTM D5185m	0	4	0	
Phosphorus	ppm	ASTM D5185m	0	4	4	
Zinc	ppm	ASTM D5185m	0	39	4	
Sulfur	ppm	ASTM D5185m	23500	18552	14567	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	<1	
Sodium		ASTM D5185m	>20	<1	<1	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	ppm %	ASTM D5185III	>0.05	2	0.009	
ppm Water	^{7₀} ppm	ASTM D6304 ASTM D6304	>0.05	31	90.8	
FLUID CLEANLIN		method	limit/base	current	history1	history2
		ASTM D7647		25902	16413	
Particles >4µm			>1300	<u> </u>	▲ 6993	
•		ASTIVI D7647				
Particles >6µm		ASTM D7647 ASTM D7647	>80	4 986	<u> </u>	
Particles >6µm Particles >14µm		ASTM D7647	>80	▲ 986 ▲ 308	▲ 220 36	
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>80	<mark>/</mark> 308	 ▲ 220 36 1 	
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647	>80 >20 >4	▲ 308 ▲ 17	36 1	
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness		ASTM D7647 ASTM D7647	>80 >20 >4	<mark>/</mark> 308	36	
Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>80 >20 >4 >3	 ▲ 308 ▲ 17 1 	36 1 0	

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: ACCOUNTING ? - FMCMAL

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