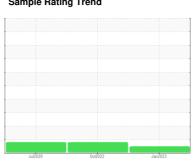


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



KAESER 5425369

Component

Compressor

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

Recommendation

Oil and 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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

		Ju	2020	Oct2022 Jan 20	23	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP52481	KCP46544D	KCP22913
Sample Date		Client Info		31 Jan 2023	20 Oct 2022	20 Jul 2020
Machine Age	hrs	Client Info		62551	60080	40375
Oil Age	hrs	Client Info		3600	6401	4436
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	3
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	16	36	28
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	3
Barium	ppm	ASTM D5185m	90	67	38	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	71	44	6
Calcium	ppm	ASTM D5185m	0	2	<1	0
Phosphorus	ppm	ASTM D5185m	0	5	9	35
Zinc	ppm	ASTM D5185m	0	39	26	104
Sulfur	ppm	ASTM D5185m	23500	17297	19494	15108
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	6
Sodium	ppm	ASTM D5185m		14	<1	2
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.05	0.011	0.002	0.005
ppm Water	ppm	ASTM D6304	>500	117.0	21.7	55.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		2144	7314	22971
Particles >6µm		ASTM D7647	>1300	558	1 498	△ 3347
Particles >14μm		ASTM D7647	>80	43	72	A 84
Particles >21µm		ASTM D7647	>20	15	14	11
ranicies >2 IµIII		ACTM D7C47	>4	1	0	0
Particles >38µm		ASTM D7647	>4	•	0	0
·		ASTM D7647 ASTM D7647		0	0	0
Particles >38µm						



OIL ANALYSIS REPORT

