

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



KAESER AIRCENTER SX 5 6173732 (S/N 1007)

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.

		Nov2018	0ct2020	Feb2022 Feb2023	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA005715	KCP52472	KCP42112
Sample Date		Client Info		21 Aug 2023	08 Feb 2023	16 Feb 2022
Machine Age	hrs	Client Info		45891	41663	34013
Oil Age	hrs	Client Info		0	3000	2000
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ATTENTION	NORMAL
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	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		1	1	2
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	0
Barium	ppm	ASTM D5185m	90	18	9	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	47	40	35
Calcium	ppm	ASTM D5185m	0	0	<1	0
Phosphorus	ppm	ASTM D5185m	0	3	4	2
Zinc	ppm	ASTM D5185m	0	0	3	0
Sulfur	ppm	ASTM D5185m	23500	22643	19883	16541
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	3
Sodium	ppm	ASTM D5185m		10	11	8
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.05	0.012	0.014	0.007
ppm Water	ppm	ASTM D6304	>500	128.2	148.9	76.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		1581	3988	2950
Particles >6µm		ASTM D7647		449	<u>1573</u>	738
Particles >14μm		ASTM D7647	>80	35	<u>109</u>	49
Particles >21μm		ASTM D7647	>20	8	18	10
Particles >38μm		ASTM D7647	>4	0	1	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/12	<u> </u>	17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



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