

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER ASD 40 5565995 (S/N 1246)

Compressor

KAESER SIGMA (OEM) S-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.

		Aug2017 Ju	in2018 Mar2019 Apr	2020 Apr2021 Mar2022	May2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC122311	KC101533	KC85906
Sample Date		Client Info		08 Jan 2024	24 May 2023	13 Oct 2022
Machine Age	hrs	Client Info		35875	32682	29978
Oil Age	hrs	Client Info		0	2800	6000
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	8	9	11
Tin	ppm	ASTM D5185m	>10	0	<1	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
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	13	47	2
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	2
Zinc	ppm	ASTM D5185m		14	18	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		6	18	0
Potassium	ppm	ASTM D5185m	>20	2	4	1
Water	%	ASTM D6304	>0.05	0.011	0.011	0.005
ppm Water	ppm	ASTM D6304	>500	117	114.9	56.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		990		19735
Particles >6µm		ASTM D7647	>1300	212		△ 9923
Particles >14µm		ASTM D7647	>80	13		<u>^</u> 2191
Particles >21µm		ASTM D7647	>20	3		▲ 713
Particles >38µm		ASTM D7647	>4	0		▲ 72
Particles >71µm		ASTM D7647	>3	0		<u>4</u>
Oil Cleanliness		ISO 4406 (c)	>17/13	15/11		△ 20/18
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	1/011/	10T11 D0015				

0.36

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.32

0.40



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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

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