

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER CSD 100S 7428867 (S/N 1050)

Compressor

KAESER SIGMA (OEM) S-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

All 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 suitable for further service.

		Jun2021	Aug2021 Mar2022	Mar2023 Jan2024	Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC130368	KC122073	KC122655
Sample Date		Client Info		07 Jun 2024	21 Mar 2024	29 Jan 2024
Machine Age	hrs	Client Info		89151	12404	12223
Oil Age	hrs	Client Info		202	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	1	0
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>3	<1	<1	0
Titanium	ppm	ASTM D5185m	>3	<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	3	2	1
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>50	2	3	2
Tin	ppm	ASTM D5185m	>10	<1	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	2	0	2
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	90	68	32	52
Calcium	ppm	ASTM D5185m	2	0	3	2
Phosphorus	ppm	ASTM D5185m		15	22	32
Zinc	ppm	ASTM D5185m		18	7	8
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		15	6	8
Potassium	ppm	ASTM D5185m	>20	7	4	5
Water	%	ASTM D6304	>0.05	0.029	0.020	0.028
ppm Water	ppm	ASTM D6304	>500	291	205	285
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		5549	4278	3701
Particles >6µm		ASTM D7647	>1300	<u>^</u> 2111	1241	<u>▲</u> 1520
Particles >14μm		ASTM D7647	>80	<u> </u>	▲ 192	▲ 316
Particles >21µm		ASTM D7647	>20	<u></u> 67	<u>▲</u> 70	▲ 135
Particles >38μm		ASTM D7647	>4	<u> 5</u>	1	▲ 13
Particles >71μm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/18/15	▲ 19/17/15	▲ 19/18/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.35	0.43	0.42



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Certificate 12367

Laboratory Sample No. Lab Number

: KC130368 : 06217281

Unique Number : 11090145

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024 **Tested** : 25 Jun 2024 Diagnosed : 25 Jun 2024 - Don Baldridge

Test Package : IND 2

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

T: F:

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Contact:

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