

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id KAESER CSD 100S 6803210 (S/N 1003)

Compressor

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

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

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.

		Jan2020 Jun2	020 Jun2021 Jul2022 Oct20	122 Jan2023 Jan2023 Apr2023 Sep2	023 Dec2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC121838	KC124395	KC101610
Sample Date		Client Info		05 Dec 2023	25 Sep 2023	10 Apr 2023
Machine Age	hrs	Client Info		37785	34361	30532
Oil Age	hrs	Client Info		0	0	6149
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	3	<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	3	1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	7	7	13
Tin	ppm	ASTM D5185m	>10	0	0	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	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	22	15	<1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		11	1	0
Zinc	ppm	ASTM D5185m		42	114	25
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		10	8	0
Potassium	ppm	ASTM D5185m	>20	3	2	1
Water	%	ASTM D6304	>0.05	0.017	0.018	0.007
ppm Water	ppm	ASTM D6304	>500	171	186.0	76.3
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		119077	155440	6277
Particles >6μm		ASTM D7647	>1300	46292	<u>▲</u> 86964	1 456
Particles >14µm		ASTM D7647	>80	1374	<u>2204</u>	69
Particles >21µm		ASTM D7647	>20	△ 309	1 98	19
Particles >38µm		ASTM D7647	>4	<u> </u>	5	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>4</u> 24/23/18	<u>4</u> 24/24/18	▲ 20/18/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.34

0.37

0.37



OIL ANALYSIS REPORT



Certificate L2367

Test Package

: IND 2

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

* - 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:

Contact: SERVICE MANAGER