

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

6840714 (S/N 1278) Compressor

Fluid KAESER SIGMA (OEM) S-460 (--- QTS)

DIAGNOSIS

Recommendation

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

🔺 Wear

The aluminum level is abnormal. All other 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.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC132380	KCPA019181	KCPA018184
Sample Date		Client Info		11 Jul 2024	12 Jun 2024	17 May 2024
Machine Age	hrs	Client Info		8750	8511	8301
Oil Age	hrs	Client Info		6205	5966	5756
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	2	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	A 36	22
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	1	1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	0	0	<1
Calcium	ppm	ASTM D5185m	2	0	0	7
Phosphorus	ppm	ASTM D5185m		99	142	166
Zinc	ppm	ASTM D5185m		11	21	33
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		6	5	4
Potassium	ppm	ASTM D5185m	>20	4	1	1
Water	%	ASTM D6304	>0.05	0.005	0.015	0.006
ppm Water	ppm	ASTM D6304	>500	58	154	62
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2601	15779	2988
Particles >6µm		ASTM D7647	>1300	<u> </u>	6807	1004
Particles >14µm		ASTM D7647	>80	170	4 941	76
Particles >21µm		ASTM D7647	>20	<u> </u>	A 264	16
Particles >38µm		ASTM D7647	>4	2	1 4	0
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	1 9/18/15	▲ 21/20/17	19/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.81	0.84	0.73



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Bottom



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:

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Certificate 12367

Contact/Location: Service Manager - STACHE