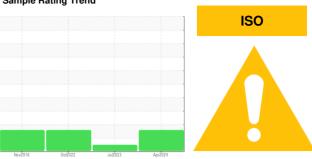


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER AS 20T 3213320 (S/N 1414)

Compressor

KAESER SIGMA (OEM) M-460 (--- QTS)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013343	KCPA004001	KCP46638
Sample Date		Client Info		30 Apr 2024	17 Jul 2023	10 Oct 2022
Machine Age	hrs	Client Info		62708	58062	53003
Oil Age	hrs	Client Info		4646	0	7502
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	0	6	16
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	<1
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	0	2	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	31	2	1
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	<1	6
Zinc	ppm	ASTM D5185m	0	6	31	17
Sulfur	ppm	ASTM D5185m	23500	22428	21603	20657
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	<1
Sodium	ppm	ASTM D5185m		4	0	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water	%	ASTM D6304	>0.05	0.010	0.004	0.007
ppm Water	ppm	ASTM D6304	>500	107	44.4	72.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7132	945	6345
Particles >6µm		ASTM D7647	>1300	<u>^</u> 2028	345	1610
Particles >14µm		ASTM D7647	>80	<u> </u>	41	150
Particles >21µm		ASTM D7647	>20	<u> </u>	11	48
Particles >38µm		ASTM D7647	>4	2	1	1
		4 OT1 4 D = 0 4 =	•		•	0
Particles >71µm		ASTM D7647	>3	0	0	0
Particles >71μm Oil Cleanliness		ISO 4406 (c)	>3 >17/13	0 <u>18/15</u>	16/13	18/14



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA013343

: 06174626

Received **Tested** Unique Number : 11020679 Diagnosed

: 13 May 2024 - Don Baldridge

: 09 May 2024

: 10 May 2024

Test Package : IND 2 (Additional Tests: KF, PrtCount)

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)

A. TEICHERT & SON INC

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Contact: S. SCHAMANN sschamann@teichert.com

T:

F: