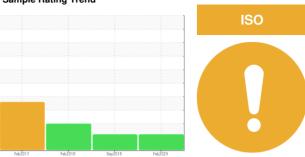


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER SM 10 4492287 (S/N 1265)

Component Compressor

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

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

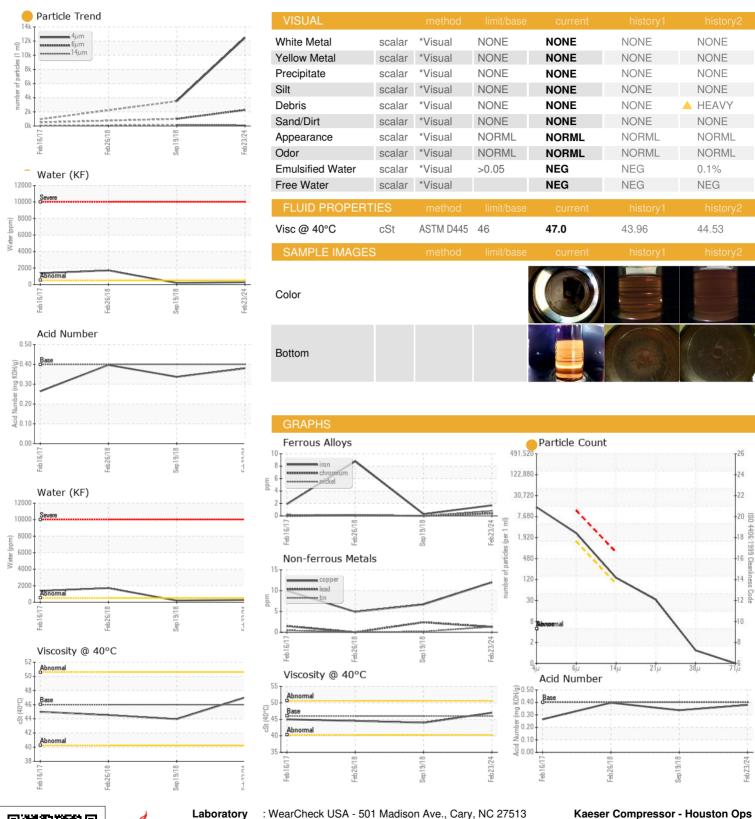
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Feb201	7 Feb2018	SepŽ018 Fe	b2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015254	KCP14510	KCP08442
Sample Date		Client Info		23 Feb 2024	19 Sep 2018	26 Feb 2018
Machine Age	hrs	Client Info		0	10854	4895
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2	<1	9
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	1	0	<1
Lead	ppm	ASTM D5185m	>10	1	2	0
Copper	ppm	ASTM D5185m	>50	12	7	5
Tin	ppm	ASTM D5185m	>10	1	<1	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	2
Barium	ppm	ASTM D5185m	90	14	0	28
Molybdenum	ppm	ASTM D5185m		1	0	0
Manganese	ppm	ASTM D5185m		1	<1	2
Magnesium	ppm	ASTM D5185m	90	61	32	74
Calcium	ppm	ASTM D5185m	2	6	0	0
Phosphorus	ppm	ASTM D5185m		4	2	58
Zinc	ppm	ASTM D5185m		38	6	8
Sulfur	ppm	ASTM D5185m		20553	16682	20033
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		15	12	13
Potassium	ppm	ASTM D5185m	>20	4	2	4
Water	%	ASTM D6304	>0.05	0.027	0.020	△ 0.171
ppm Water	ppm	ASTM D6304	>500	277	200	▲ 1710
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		12458	3503	
Particles >6µm		ASTM D7647	>1300	<u>2257</u>	1002	
Particles >14µm		ASTM D7647	>80	<u> </u>	157	
Particles >21µm		ASTM D7647	>20	28	7 0	
Particles >38µm		ASTM D7647	>4	1	8	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	2 1/18/14	17/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: KCPA015254 : 06146613 Unique Number : 10976691

Received **Tested** Diagnosed

: 11 Apr 2024 : 12 Apr 2024

: 16 Apr 2024 - Angela Borella

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)

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