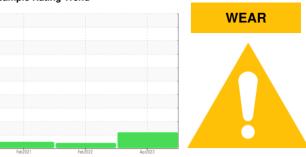


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER CSD 100 7272353 (S/N 1066)

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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

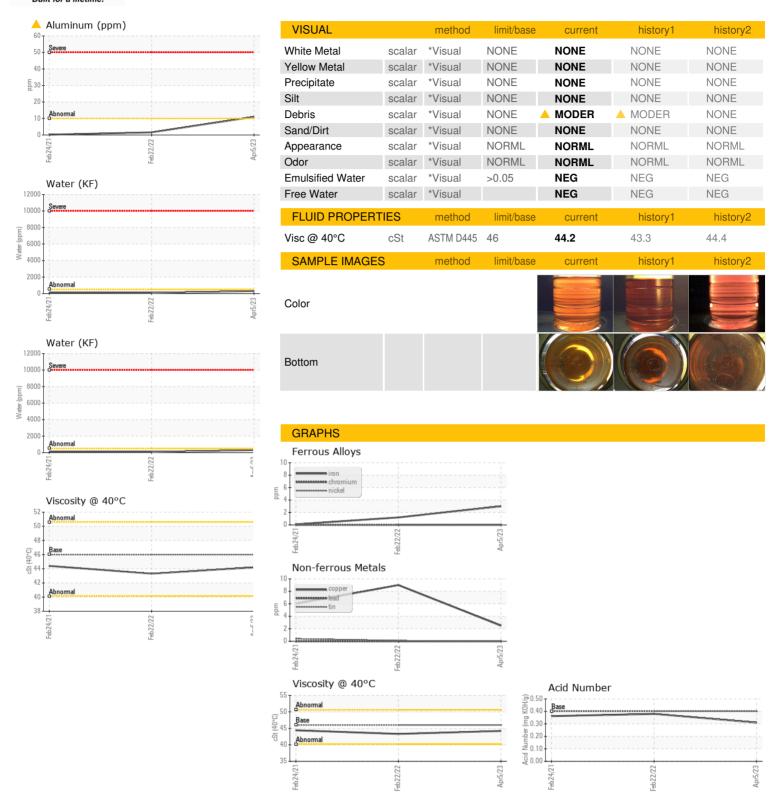
Fluid Condition

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

		FE	2021	Feb 2022 Apr20	23	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC102879	KC73199	KC86542
Sample Date		Client Info		05 Apr 2023	22 Feb 2022	24 Feb 2021
Machine Age	hrs	Client Info		19387	14331	7559
Oil Age	hrs	Client Info		536	4545	4131
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	1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	<u> 11</u>	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	9	6
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m			0	<1
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	10
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m	90	23	1	<1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		3	11	2
Zinc	ppm	ASTM D5185m		46	28	22
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	0
Sodium	ppm	ASTM D5185m		12	3	1
Potassium	ppm	ASTM D5185m	>20	11	2	<1
Water	%	ASTM D6304	>0.05	0.029	0.007	0.010
ppm Water	ppm	ASTM D6304	>500	296.7	76.9	105.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647				580
Particles >6µm		ASTM D7647	>1300			178
Particles >14μm		ASTM D7647	>80			19
Particles >21µm		ASTM D7647	>20			5
Particles >38µm		ASTM D7647	>4			0
Particles >71µm		ASTM D7647	>3			0
Oil Cleanliness		ISO 4406 (c)	>/17/13			15/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.31	0.38	0.362



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 05816111 Unique Number : 10418903

: KC102879 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Apr 2023 Tested : 13 Apr 2023

Diagnosed : 13 Apr 2023 - Jonathan Hester

FT. WALTON BEACH, FL US 32548

Contact: SERVICE MANAGER

FT. WALTON MACHINING, INC.

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:

43 JET DR.