

OIL ANALYSIS REPORT

Sample Rating Trend



Machina Id

KAESER CSD 100ST 5712151 (S/N 1074)

Component

Compressor

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

DIAGNOSIS

Recommendation

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

Nov2017 Apr2018 Aug2018 Dec2018 May2019 Oct2019 Jun2020 Apr2021 Oct2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC108279	KC90115	KC83600
Sample Date		Client Info		28 Oct 2023	28 Apr 2021	25 Jun 2020
Machine Age	hrs	Client Info		26086	23789	19663
Oil Age	hrs	Client Info		2500	4000	2000
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	26	2	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	10	0	<u></u> 13
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	2	2	3
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	<1	4
Calcium	ppm	ASTM D5185m		0	<1	2
Phosphorus	ppm	ASTM D5185m	500	315	89	298
Zinc	ppm	ASTM D5185m		218	0	99
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	3
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.05	0.007	0.004	0.006
ppm Water	ppm	ASTM D6304	>500	73	46.1	63.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		90053	2000	2086
Particles >6µm		ASTM D7647	>1300	26862	905	480
Particles >14µm		ASTM D7647	>80	<u> </u>	1 07	35
Particles >21µm		ASTM D7647	>20	<u>225</u>	▲ 25	6
Particles >38µm		ASTM D7647	>4	<u> </u>	2	0
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>4</u> 24/22/17	▲ 17/14	16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma 1/011/a	ACTM DODAE	1 5	1.00	0.560	1 070

Acid Number (AN)

mg KOH/g ASTM D8045 1.5

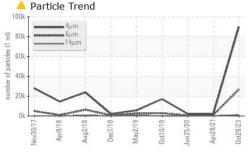
0.562

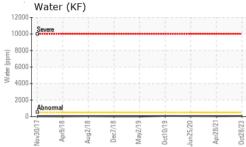
1.02

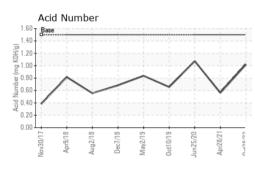
1.073

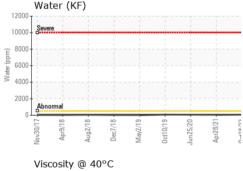


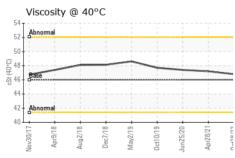
OIL ANALYSIS REPORT

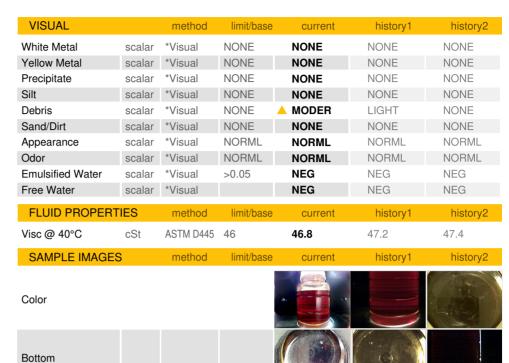


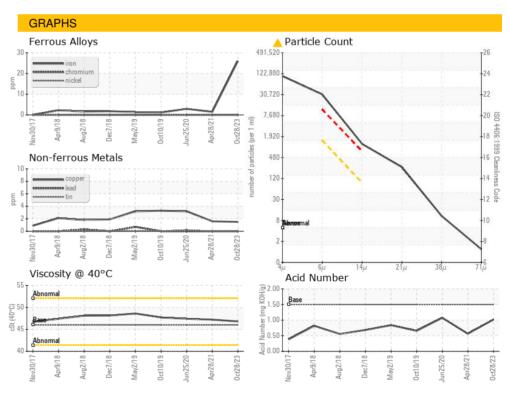














Certificate L2367

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KC108279

: 06073926 Unique Number: 10856017 Test Package : IND 2

Received : 30 Jan 2024 **Tested**

: 31 Jan 2024 Diagnosed

: 31 Jan 2024 - Don Baldridge

MASTERS GALLERY FOODS

411 HWY PP PLYMOUTH, WI US 53073

Contact: Service Manager

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)

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