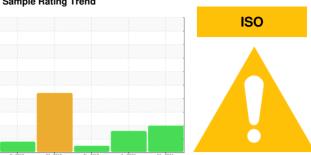


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER BSD 40 5509199 (S/N 1025)

Component Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and 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.

Fluid Condition

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

					May/074	
		Oct2018	MarŽ019	Nov2019 Apr2022	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC130608	KC97330	KC74437
Sample Date		Client Info		22 May 2024	27 Apr 2022	06 Nov 2019
Machine Age	hrs	Client Info		22116	15463	9362
Oil Age	hrs	Client Info		6000	2752	2762
Oil Changed	1113	Client Info		Changed	Changed	Changed
Sample Status		Chefit iiiio		ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
						,
Iron	ppm	ASTM D5185m	>50	2	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	7	9	27
Tin	ppm		>10	<1	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	90	22	31	12
Calcium	ppm	ASTM D5185m	2	0	<1	1
Phosphorus	ppm	ASTM D5185m		0	5	2
Zinc	ppm	ASTM D5185m		320	175	171
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		22	17	6
Potassium	ppm	ASTM D5185m	>20	7	3	3
Water	%	ASTM D6304	>0.05	0.023	0.017	0.011
ppm Water	ppm	ASTM D6304	>500	235	177.8	117.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		10450	5599	1116
Particles >6µm		ASTM D7647	>1300	4 3891	<u>^</u> 2024	423
Particles >14µm		ASTM D7647	>80	484	<u>^</u> 254	56
Particles >21µm		ASTM D7647	>20	154	<u>▲</u> 53	17
Particles >38µm		ASTM D7647	>4	1 3	2	0
Particles >71μm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 21/19/16	<u>^</u> 20/18/15	16/13
FLUID DEGRADA	TION	method	limit/base		history1	history2
A sid Neverbar (AN)	I/OU/-	ACTM DODAE	o 4	current	O OO	- HISTOTYZ

Acid Number (AN)

mg KOH/g ASTM D8045 0.4

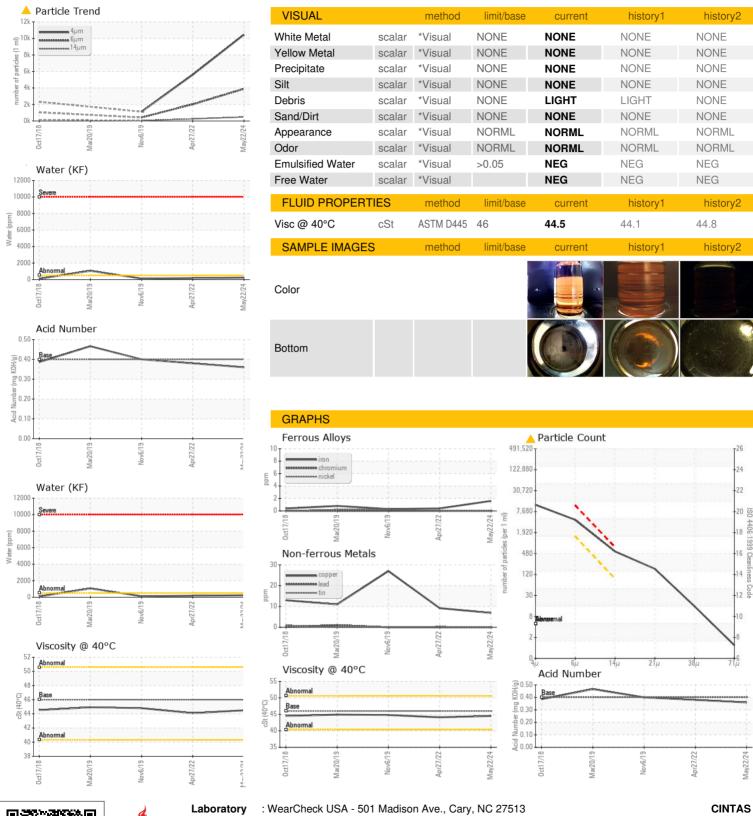
0.38

0.36

0.400



OIL ANALYSIS REPORT







Certificate 12367

Sample No. Lab Number

: KC130608 : 06200762 Unique Number : 11062885 Test Package : IND 2

Received

Tested : 06 Jun 2024 Diagnosed

: 07 Jun 2024 - Don Baldridge

: 05 Jun 2024

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)

LADSON, SC

Contact: Service Manager

LIS

T:

F: