

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id KAESER BSD 50 6524352 (S/N 1940)

Compressor

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

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

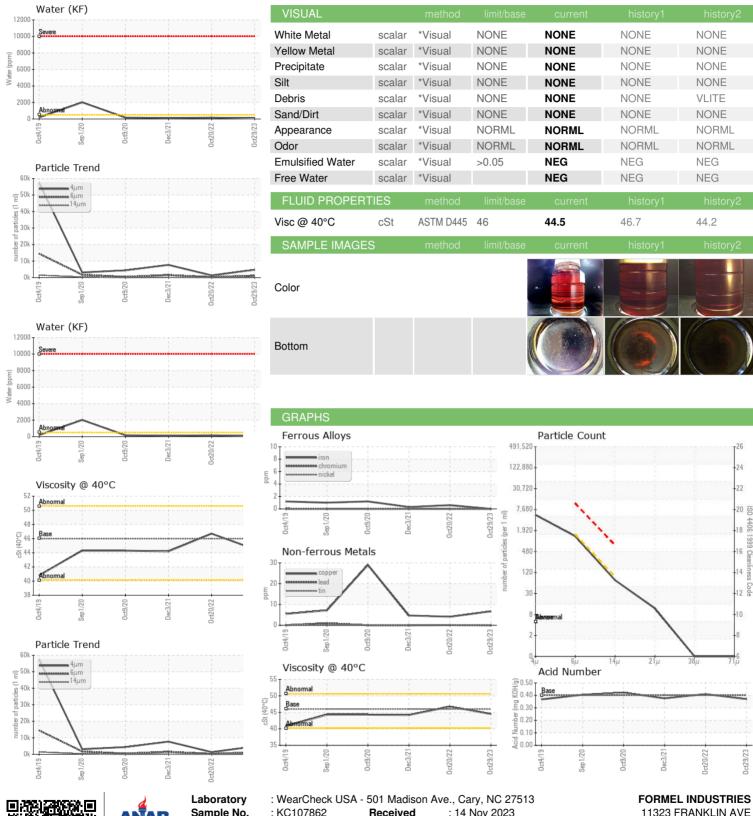
Fluid Condition

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

		Oct2019	Sep2020 Oct2020	Dec2021 Oct2022	Oct2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC107862	KC95764	KC93972
Sample Date		Client Info		29 Oct 2023	20 Oct 2022	03 Dec 2021
Machine Age	hrs	Client Info		8297	6386	5099
Oil Age	hrs	Client Info		1911	1287	1548
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
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	<1	0
Aluminum	ppm	ASTM D5185m	>10	0	1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	7	4	5
Tin	ppm	ASTM D5185m	>10	0	<1	<1
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	18
Barium	ppm	ASTM D5185m	90	0	3	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	0	42	26
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		0	6	2
Zinc	ppm	ASTM D5185m		0	13	9
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		6	14	13
Potassium	ppm	ASTM D5185m	>20	0	4	2
Water	%	ASTM D6304	>0.05	0.008	0.015	0.012
ppm Water	ppm	ASTM D6304	>500	83.3	158.3	120.6
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4709	1353	7679
Particles >6µm		ASTM D7647		1152	243	<u>1540</u>
Particles >14μm		ASTM D7647	>80	64	22	<u> </u>
Particles >21μm		ASTM D7647		10	8	20
Particles >38μm		ASTM D7647	>4	0	0	0
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13	18/15/12	<u>▲</u> 18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.37	0.41	0.376



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: KC107862

: 06007730 : 10741492 Test Package : IND 2

Received : 14 Nov 2023 Diagnosed : 16 Nov 2023

Diagnostician : Don Baldridge 11323 FRANKLIN AVE FRANKLIN PARK, IL US 60131

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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