

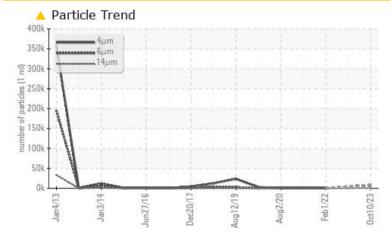
PROBLEM SUMMARY

KAESER BSD-50 4358746 (S/N 1010)

Compressor Fluid

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

COMPONENT CONDITION SUMMARY



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.

Sample Rating Trend

PROBLEMATIC TEST RESULTS							
Sample Status		ABNORMAL	NORMAL	NORMAL			
Particles >6µm	ASTM D7647 >13	300 🔺 2855		56			
Particles >14µm	ASTM D7647 >8	0 🔺 238		16			
Particles >21µm	ASTM D7647 >2	0 🔺 63		7			
Oil Cleanliness	ISO 4406 (c) >	/17/13 🔺 20/19/15		13/11			

Customer Id: KEYBET Sample No.: KC126045 Lab Number: 05981242 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 <u>jhester@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

26 Jan 2023 Diag: Don Baldridge



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count on this sample.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

01 Feb 2022 Diag: Jonathan Hester





Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

07 Jan 2021 Diag: Don Baldridge



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

view report



OIL ANALYSIS REPORT

KAESER BSD-50 4358746 (S/N 1010)

Compressor Fluid

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

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

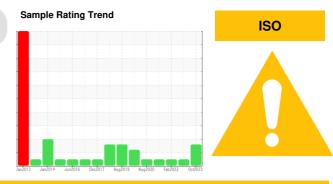
All component wear rates are normal.

Contamination

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

Fluid Condition

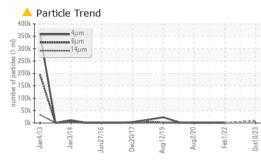
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

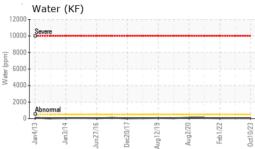


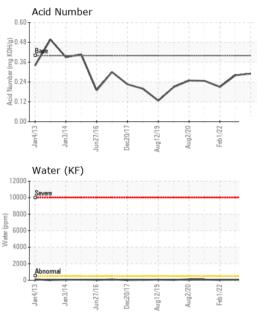
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC126045	KC100678	KC95100
Sample Date		Client Info		10 Oct 2023	26 Jan 2023	01 Feb 2022
Machine Age	hrs	Client Info		47112	45081	40312
Oil Age	hrs	Client Info		0	4769	3640
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	11	9	6
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	lelerri	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	in in base	0	0	0
Barium	ppm	ASTM D5185m	00	0	0	0
	ppm	ASTM D5185m	90	0	0	0
Molybdenum Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	0	<1	0
Calcium	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	2	ں <1	36	6
Phosphorus Zinc	ppm	ASTM D5185m		0	7	0
	ppm					
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	7	7
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304		0.004	0.005	0.004
ppm Water	ppm	ASTM D6304	>500	43.9	55.2	44.9
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		8647		139
Particles >6µm		ASTM D7647		A 2855		56
Particles >14µm		ASTM D7647	>80	238		16
Particles >21µm		ASTM D7647	>20	<u> </u>		7
Particles >38µm		ASTM D7647	>4	2		1
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	A 20/19/15		13/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.29	0.28	0.21

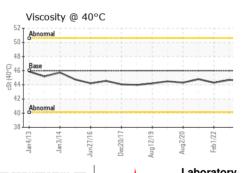
COMPRESSOR Built for a lifetime.

OIL ANALYSIS REPORT



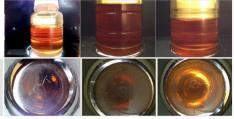




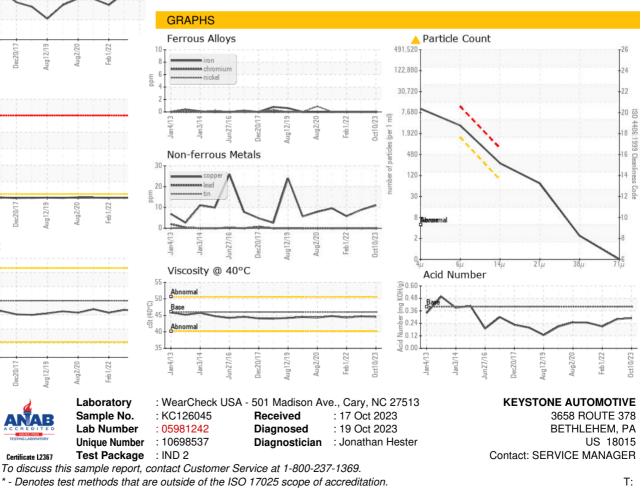


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.5	44.7	44.3
SAMPLE IMAGES	S	method	limit/base	current	history1	history2

Color



Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: SERVICE MANAGER - KEYBET