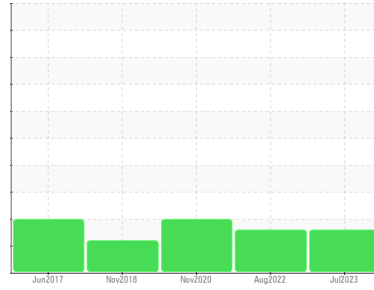




PROBLEM SUMMARY

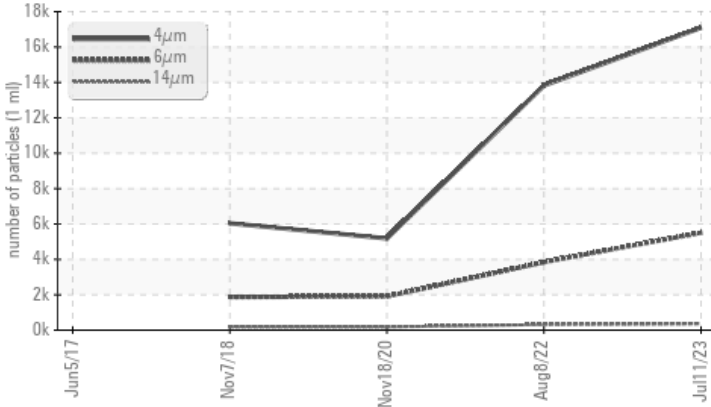
Sample Rating Trend



Machine Id
BOOSTER N502-G 5609202 (S/N 1259)
 Component
Compressor
 Fluid
KAESER OMEGA SB-320 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



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.

PROBLEMATIC TEST RESULTS

Sample Status	ASTM D7647	ISO 4406 (c)	ABNORMAL	ABNORMAL	ABNORMAL
Particles >6µm	>1300	▲ 5503	▲ 3843	▲ 1908	
Particles >14µm	>80	▲ 362	▲ 318	▲ 182	
Particles >21µm	>20	▲ 85	▲ 65	▲ 48	
Oil Cleanliness	>--/17/13	▲ 21/20/16	▲ 21/19/15	▲ 18/15	

Customer Id: HOHFOR
 Sample No.: KCPA004864
 Lab Number: 05903315
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

08 Aug 2022 Diag: Doug Bogart

ISO



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. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



18 Nov 2020 Diag: Jonathan Hester

ISO



We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



07 Nov 2018 Diag: Jonathan Hester

ISO

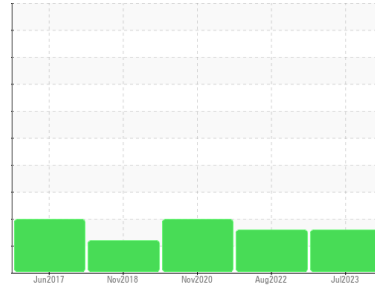


Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Machine Id
BOOSTER N502-G 5609202 (S/N 1259)
Component
Compressor
Fluid
KAESER OMEGA SB-320 (--- 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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KCPA004864	KCP40689	KCP29843
Sample Date	Client Info		11 Jul 2023	08 Aug 2022	18 Nov 2020
Machine Age	hrs	Client Info	8608	8608	8608
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	Not Changd	Not Changd
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	2	1	2
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >25	0	2	0
Lead	ppm	ASTM D5185m >25	<1	0	0
Copper	ppm	ASTM D5185m >50	18	9	8
Tin	ppm	ASTM D5185m >15	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	---	0
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	<1	2
Barium	ppm	ASTM D5185m	2	0	1
Molybdenum	ppm	ASTM D5185m	0	<1	<1
Manganese	ppm	ASTM D5185m	0	<1	0
Magnesium	ppm	ASTM D5185m	1	<1	<1
Calcium	ppm	ASTM D5185m	0	<1	<1
Phosphorus	ppm	ASTM D5185m	1256	1117	1153
Zinc	ppm	ASTM D5185m	4	5	0
Sulfur	ppm	ASTM D5185m	285	212	287

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	<1	0
Sodium	ppm	ASTM D5185m	0	0	<1
Potassium	ppm	ASTM D5185m >20	<1	0	3
Water	%	ASTM D6304 >0.1	0.059	0.049	0.050
ppm Water	ppm	ASTM D6304 >1000	595.0	491.7	504.3

FLUID CLEANLINESS

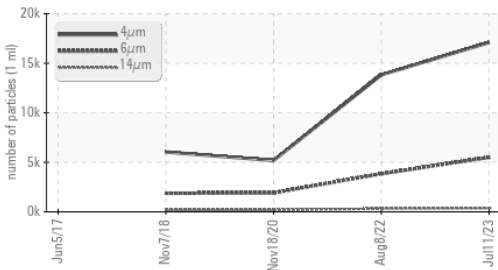
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		17095	13824	5183
Particles >6µm	ASTM D7647 >1300		▲ 5503	▲ 3843	▲ 1908
Particles >14µm	ASTM D7647 >80		▲ 362	▲ 318	▲ 182
Particles >21µm	ASTM D7647 >20		▲ 85	▲ 65	▲ 48
Particles >38µm	ASTM D7647 >4		1	1	▲ 6
Particles >71µm	ASTM D7647 >3		0	0	▲ 5
Oil Cleanliness	ISO 4406 (c) >--/17/13		▲ 21/20/16	▲ 21/19/15	▲ 18/15

FLUID DEGRADATION

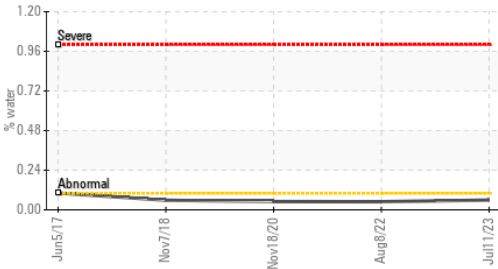
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.723	0.84	0.766

OIL ANALYSIS REPORT

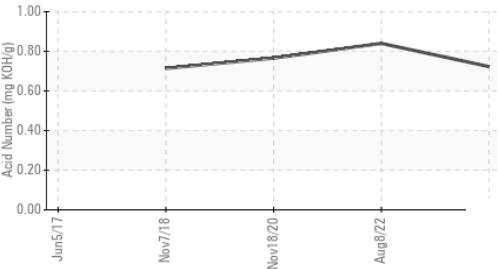
▲ Particle Trend



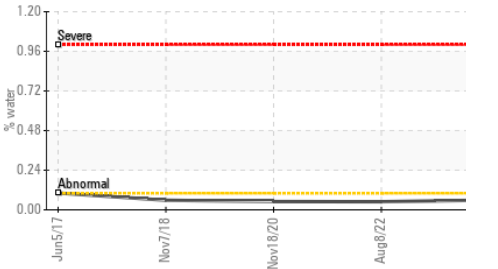
Water



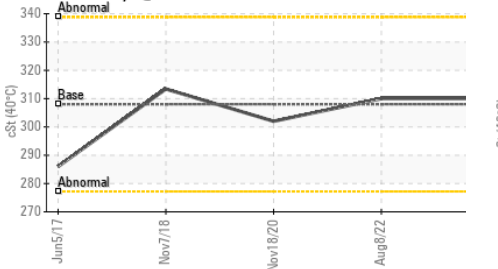
Acid Number



Water



Viscosity @ 40°C

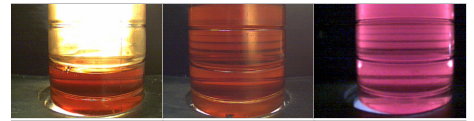


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

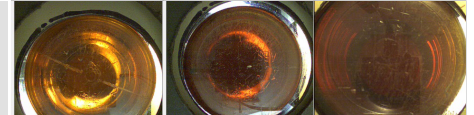
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 308	310	310	302

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

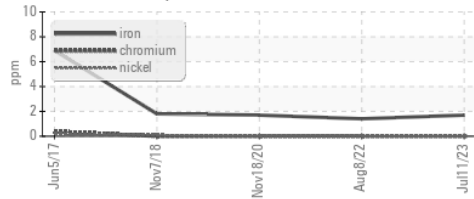


Bottom

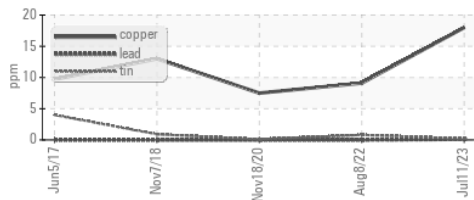


GRAPHS

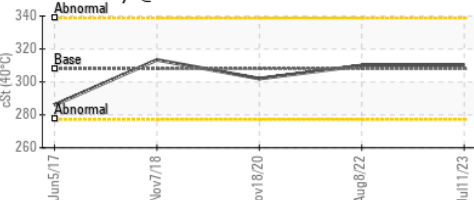
Ferrous Alloys



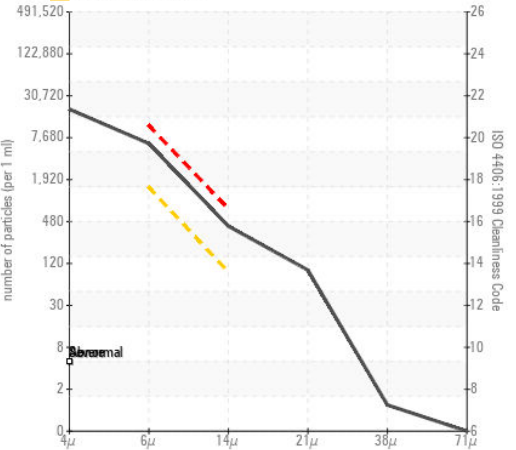
Non-ferrous Metals



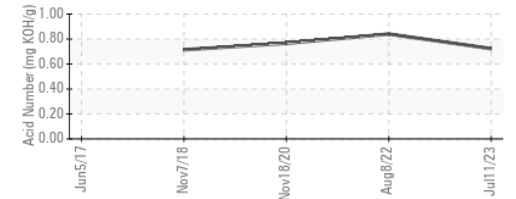
Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA004864 **Received** : 20 Jul 2023
Lab Number : 05903315 **Diagnosed** : 24 Jul 2023
Unique Number : 10564671 **Diagnostician** : Don Baldrige

Test Package : IND 2 (Additional Tests: KF, PrtCount)

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)

HOHMANN & BARNARD
 2415 GOLD SPRINGS RD
 FORT WORTH, TX
 US 76106
 Contact: SERVICE MANAGER

T:
F: