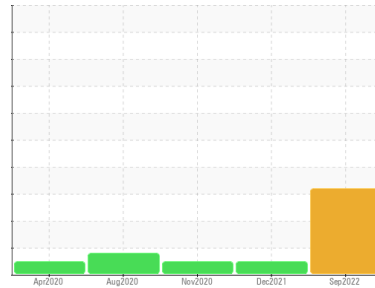


PROBLEM SUMMARY

Sample Rating Trend



WATER



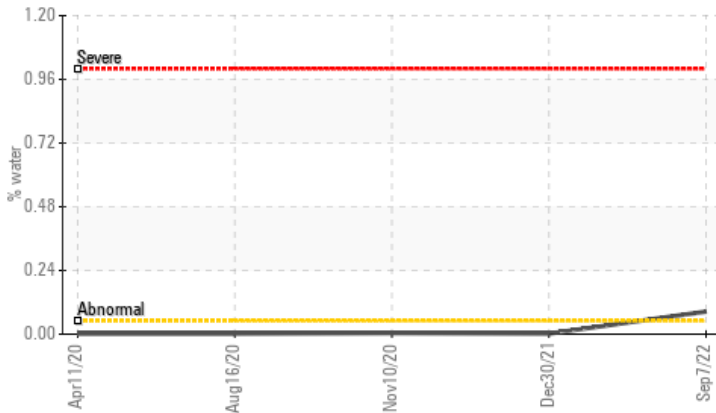
Machine Id
3505798 (S/N 1235)

Component
Compressor

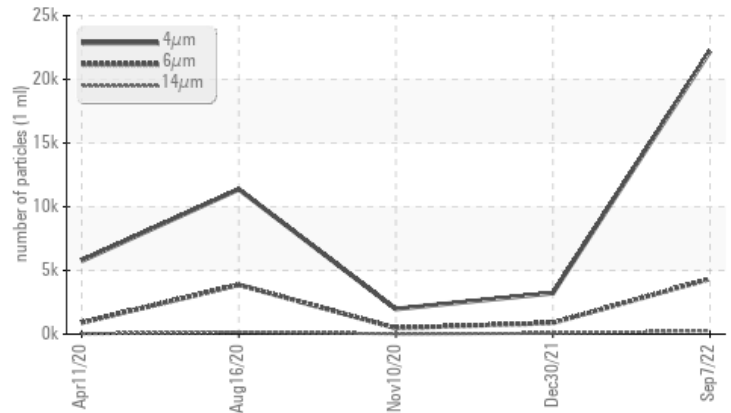
Fluid
KAESER SIGMA (OEM) FG-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Water



▲ Particle Trend



RECOMMENDATION

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	NORMAL
Water	%	ASTM D6304	>0.05	▲ 0.085	0.002	0.004
ppm Water	ppm	ASTM D6304	>500	▲ 857.6	15.3	40.0
Particles >6µm		ASTM D7647	>1300	▲ 4338	881	477
Particles >14µm		ASTM D7647	>80	▲ 257	68	26
Particles >21µm		ASTM D7647	>20	▲ 56	9	9
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ 22/19/15	17/13	16/12

Customer Id: BIMGRA
Sample No.: KCP37315
Lab Number: 05639668
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

30 Dec 2021 Diag: Jonathan Hester

NORMAL



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

view report



10 Nov 2020 Diag: Angela Borella

NORMAL



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. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



16 Aug 2020 Diag: Don Baldrige

ISO



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

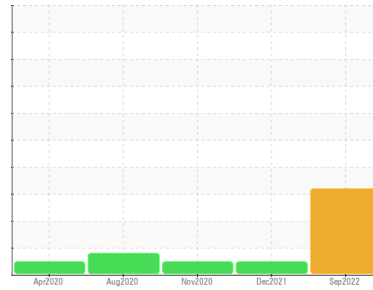
view report



Machine Id
3505798 (S/N 1235)

Component
Compressor

Fluid
KAESER SIGMA (OEM) FG-460 (--- GAL)



DIAGNOSIS

▲ Recommendation

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number			KCP37315	KCP31993	KCP28764
Sample Date			07 Sep 2022	30 Dec 2021	10 Nov 2020
Machine Age	hrs		77123	71598	63414
Oil Age	hrs		5525	9599	1416
Oil Changed			Not Changed	Changed	Not Changed
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	<1	1	10
Chromium	ppm ASTM D5185m	>10	0	0	0
Nickel	ppm ASTM D5185m	>3	0	0	0
Titanium	ppm ASTM D5185m	>3	0	0	<1
Silver	ppm ASTM D5185m	>2	<1	0	0
Aluminum	ppm ASTM D5185m	>10	1	<1	11
Lead	ppm ASTM D5185m	>10	0	0	0
Copper	ppm ASTM D5185m	>50	<1	<1	1
Tin	ppm ASTM D5185m	>10	<1	<1	0
Antimony	ppm ASTM D5185m		---	0	0
Vanadium	ppm ASTM D5185m		0	0	0
Cadmium	ppm ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m		0	0	1
Barium	ppm ASTM D5185m		97	0	0
Molybdenum	ppm ASTM D5185m		0	0	0
Manganese	ppm ASTM D5185m		0	0	0
Magnesium	ppm ASTM D5185m		0	<1	2
Calcium	ppm ASTM D5185m		0	0	0
Phosphorus	ppm ASTM D5185m	500	8	20	144
Zinc	ppm ASTM D5185m		0	0	55
Sulfur	ppm ASTM D5185m		222	1013	1734

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	5	0	0
Sodium	ppm ASTM D5185m		0	<1	1
Potassium	ppm ASTM D5185m	>20	0	0	0
Water	% ASTM D6304	>0.05	▲ 0.085	0.002	0.004
ppm Water	ppm ASTM D6304	>500	▲ 857.6	15.3	40.0

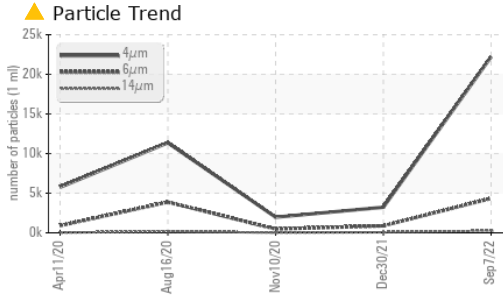
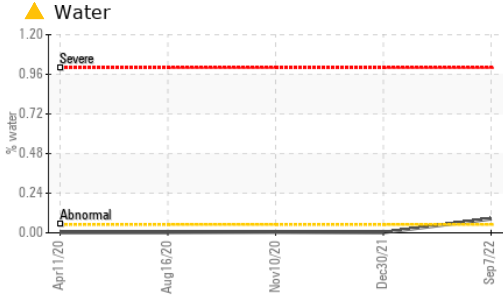
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		22210	3226	1971
Particles >6µm	ASTM D7647	>1300	▲ 4338	881	477
Particles >14µm	ASTM D7647	>80	▲ 257	68	26
Particles >21µm	ASTM D7647	>20	▲ 56	9	9
Particles >38µm	ASTM D7647	>4	1	0	0
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/19/15	17/13	16/12

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	1.5	0.40	0.32	0.504

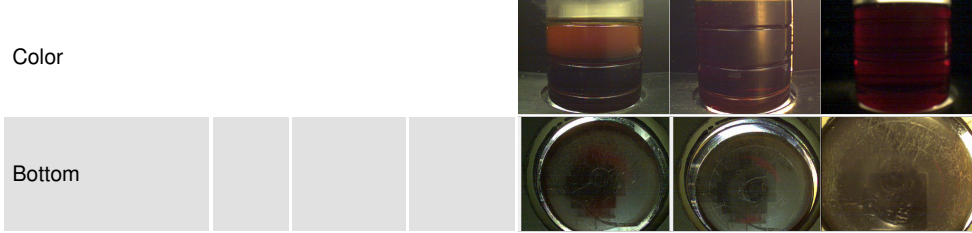
OIL ANALYSIS REPORT



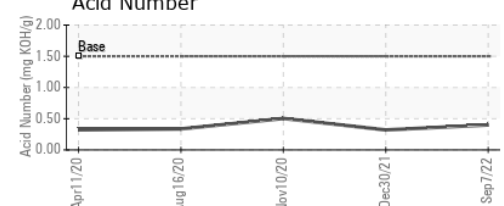
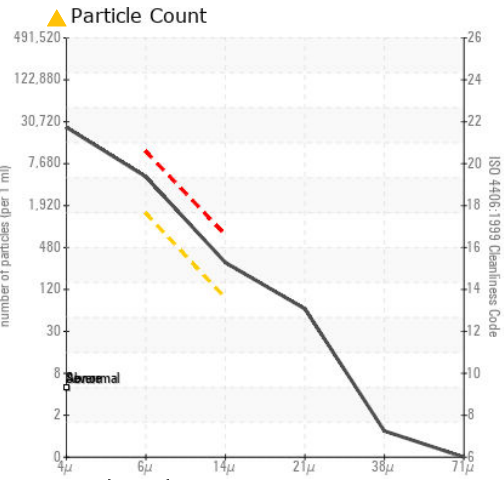
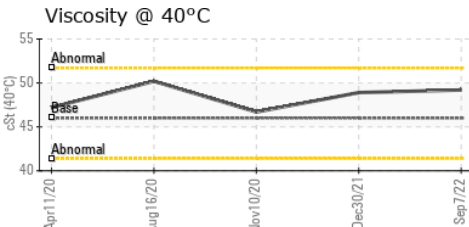
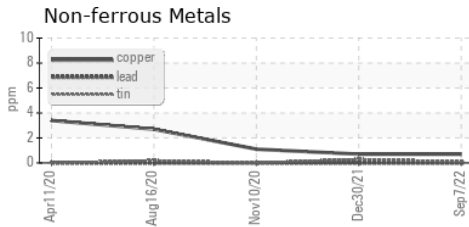
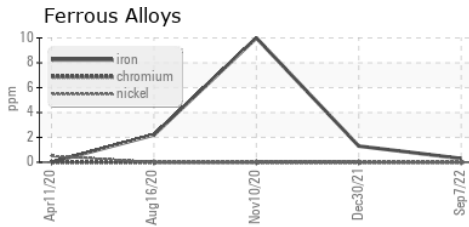
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 46	49.2	48.9	46.7

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP37315 **Received** : 13 Sep 2022
Lab Number : 05639668 **Diagnosed** : 14 Sep 2022
Unique Number : 10129198 **Diagnostician** : Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PrtCount)

BIMBO BAKERIES
 801 E AVE K
 GRAND PRAIRIE, TX
 USA 75050
 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)

T:
F: