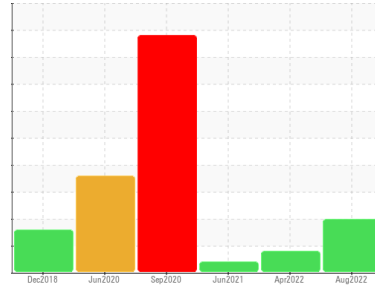


PROBLEM SUMMARY

Sample Rating Trend



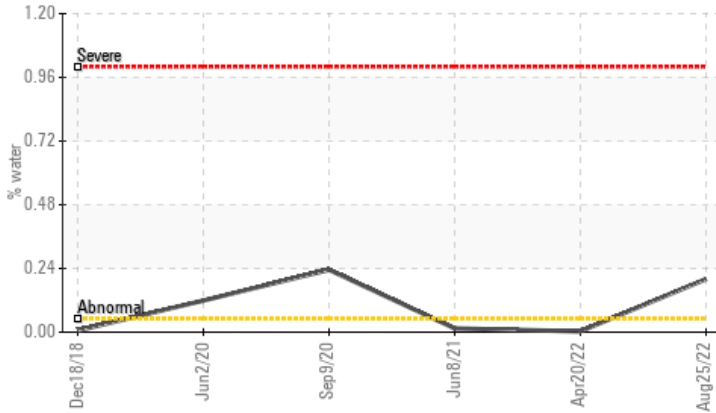
WATER



Machine Id
KAESER ASD 40 6373497 (S/N 1498)
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Water



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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ATTENTION	ABNORMAL
Water	%	ASTM D6304	>0.05	▲ 0.200	0.003	0.014
ppm Water	ppm	ASTM D6304	>500	▲ 2000	34.5	143.1
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	▲ MODER

Customer Id: VALFAY
Sample No.: KCP30952
Lab Number: 05635031
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

Action	Status	Date	Done By	Description
Alert	---	---	?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

20 Apr 2022 Diag: Angela Borella

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 moderate 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



08 Jun 2021 Diag: Angela Borella

VIS DEBRIS



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 due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid.

view report



09 Sep 2020 Diag: Don Baldrige

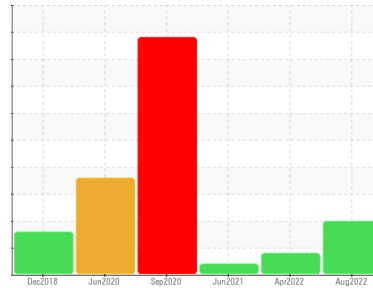
WATER



We advise that you stop the unit and follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. All component wear rates are normal. There is a high amount of particulates present in the oil. There is a light concentration of water present in the oil. Excessive free water present. The AN level is acceptable for this fluid.

view report





Machine Id
KAESER ASD 40 6373497 (S/N 1498)

Component
Compressor
Fluid
KAESER SIGMA (OEM) S-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. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

▲ Contamination

Moderate concentration of visible dirt/debris 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.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number			KCP30952	KCP45607	KCP32937
Sample Date			25 Aug 2022	20 Apr 2022	08 Jun 2021
Machine Age	hrs		30251	27569	20898
Oil Age	hrs		3000	2434	0
Oil Changed			Not Changed	Changed	Changed
Sample Status			ABNORMAL	ATTENTION	ABNORMAL

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	0	0	1
Chromium	ppm ASTM D5185m	>10	0	0	0
Nickel	ppm ASTM D5185m	>3	1	0	0
Titanium	ppm ASTM D5185m	>3	0	0	0
Silver	ppm ASTM D5185m	>2	0	<1	0
Aluminum	ppm ASTM D5185m	>10	4	<1	0
Lead	ppm ASTM D5185m	>10	0	<1	0
Copper	ppm ASTM D5185m	>50	13	6	7
Tin	ppm ASTM D5185m	>10	0	<1	0
Antimony	ppm ASTM D5185m		---	---	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	0
Barium	ppm ASTM D5185m	90	0	0	0
Molybdenum	ppm ASTM D5185m		0	<1	0
Manganese	ppm ASTM D5185m		0	0	0
Magnesium	ppm ASTM D5185m	90	2	0	1
Calcium	ppm ASTM D5185m	2	0	0	0
Phosphorus	ppm ASTM D5185m		1	9	16
Zinc	ppm ASTM D5185m		1	0	0
Sulfur	ppm ASTM D5185m		13719	11276	10130

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	0	<1	0
Sodium	ppm ASTM D5185m		3	0	0
Potassium	ppm ASTM D5185m	>20	0	<1	0
Water	% ASTM D6304	>0.05	▲ 0.200	0.003	0.014
ppm Water	ppm ASTM D6304	>500	▲ 2000	34.5	143.1

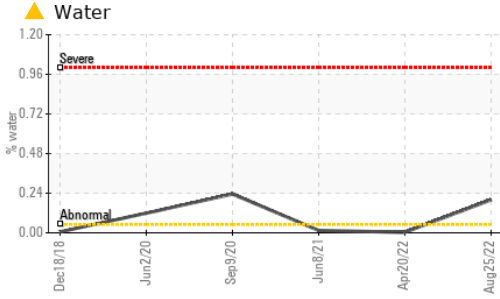
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		---	4403	---
Particles >6µm	ASTM D7647	>1300	---	1207	---
Particles >14µm	ASTM D7647	>80	---	▲ 143	---
Particles >21µm	ASTM D7647	>20	---	▲ 40	---
Particles >38µm	ASTM D7647	>4	---	0	---
Particles >71µm	ASTM D7647	>3	---	0	---
Oil Cleanliness	ISO 4406 (c)	>17/13	---	▲ 17/14	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.4	0.36	0.44	0.407

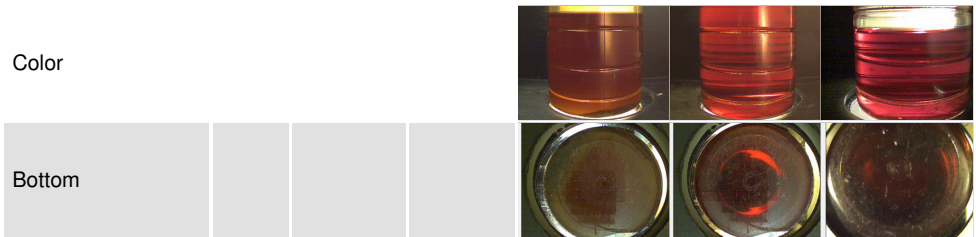
OIL ANALYSIS REPORT



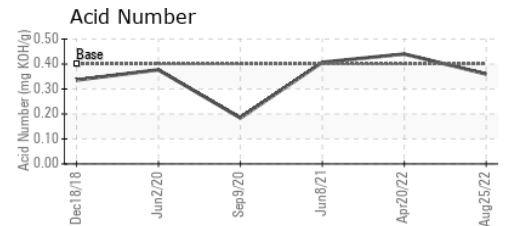
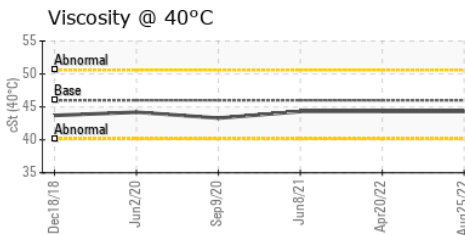
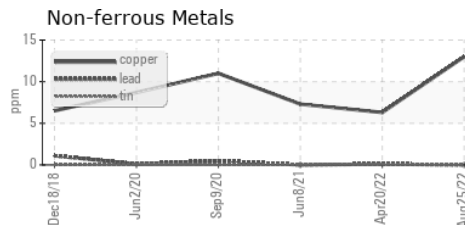
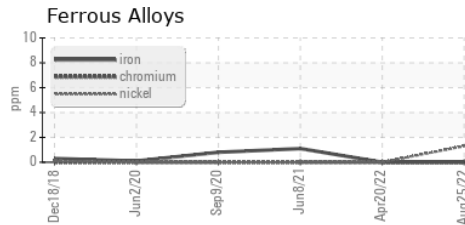
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46	44.3	44.3

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP30952 **Received** : 06 Sep 2022
Lab Number : 05635031 **Diagnosed** : 08 Sep 2022
Unique Number : 10124561 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

VALLEY PROTEINS
 1309 INDUSTRIAL DR
 FAYETTEVILLE, NC
 USA 28301
 Contact:

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: