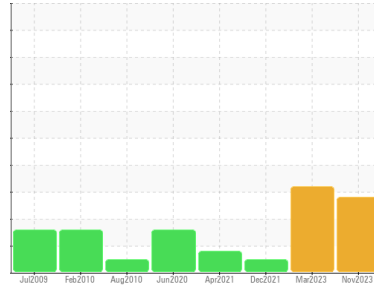




PROBLEM SUMMARY

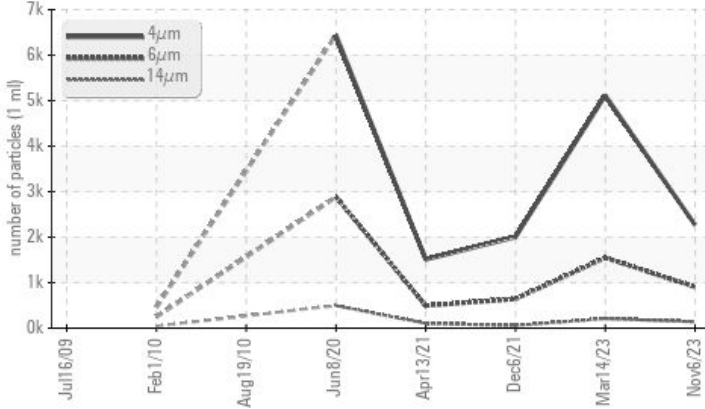
Sample Rating Trend



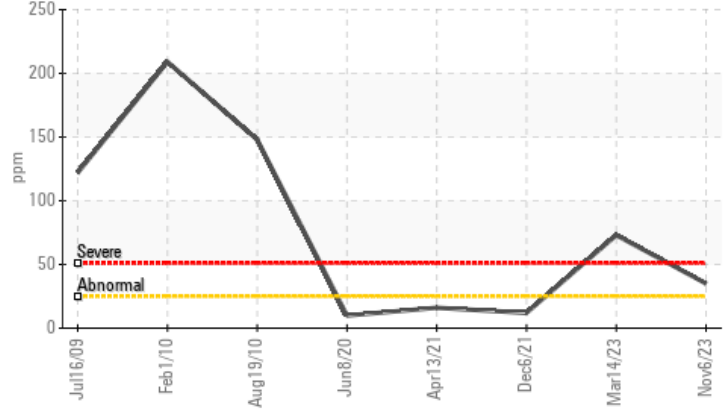
Machine Id
KAESER ASD 40ST 3339255 (S/N 1112)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



▲ Silicon (ppm)



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				ABNORMAL	ABNORMAL	NORMAL
Silicon	ppm	ASTM D5185m	>25	▲ 35	▲ 73	12
Particles >14µm		ASTM D7647	>80	▲ 140	▲ 209	57
Particles >21µm		ASTM D7647	>20	▲ 47	▲ 54	10
Oil Cleanliness		ISO 4406 (c)	>--/17/13	▲ 18/17/14	▲ 20/18/15	16/13

Customer Id: LAMDUN
 Sample No.: KCPA009140
 Lab Number: 06009676
 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

14 Mar 2023 Diag: Angela Borella

DIRT



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. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



06 Dec 2021 Diag: Angela Borella

NORMAL



No corrective action is recommended at this time. 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. 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



13 Apr 2021 Diag: Jonathan Hester

ISO



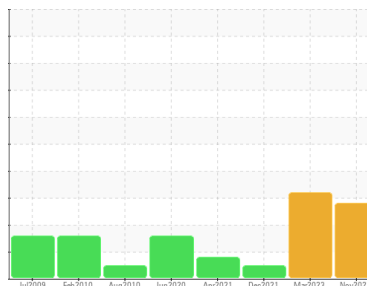
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
KAESER ASD 40ST 3339255 (S/N 1112)

Component
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. Elemental level of silicon (Si) above normal.

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	history1	history2
Sample Number	Client Info	KCPA009140	KCPA001505	KCP43617
Sample Date	Client Info	06 Nov 2023	14 Mar 2023	06 Dec 2021
Machine Age	hrs	Client Info	0	47184
Oil Age	hrs	Client Info	0	629
Oil Changed	Client Info	N/A	N/A	Changed
Sample Status		ABNORMAL	ABNORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	<1
Chromium	ppm	ASTM D5185m >10	0	0
Nickel	ppm	ASTM D5185m >3	0	0
Titanium	ppm	ASTM D5185m >3	0	0
Silver	ppm	ASTM D5185m >2	0	0
Aluminum	ppm	ASTM D5185m >10	<1	<1
Lead	ppm	ASTM D5185m >10	0	0
Copper	ppm	ASTM D5185m >50	13	7
Tin	ppm	ASTM D5185m >10	0	<1
Antimony	ppm	ASTM D5185m	---	---
Vanadium	ppm	ASTM D5185m	0	0
Cadmium	ppm	ASTM D5185m	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0
Barium	ppm	ASTM D5185m 90	7	0
Molybdenum	ppm	ASTM D5185m	0	0
Manganese	ppm	ASTM D5185m	0	0
Magnesium	ppm	ASTM D5185m 90	18	42
Calcium	ppm	ASTM D5185m 2	<1	0
Phosphorus	ppm	ASTM D5185m	19	4
Zinc	ppm	ASTM D5185m	63	42
Sulfur	ppm	ASTM D5185m	18137	19016

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	▲ 35	▲ 73
Sodium	ppm	ASTM D5185m	2	17
Potassium	ppm	ASTM D5185m >20	2	3
Water	%	ASTM D6304 >0.05	0.014	0.024
ppm Water	ppm	ASTM D6304 >500	143.0	248.6

FLUID CLEANLINESS

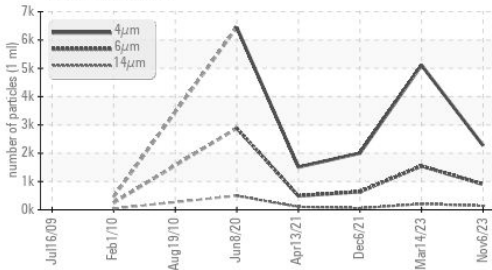
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	2271	5113	2003
Particles >6µm	ASTM D7647 >1300	904	▲ 1547	640
Particles >14µm	ASTM D7647 >80	▲ 140	▲ 209	57
Particles >21µm	ASTM D7647 >20	▲ 47	▲ 54	10
Particles >38µm	ASTM D7647 >4	2	1	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 18/17/14	▲ 20/18/15	16/13

FLUID DEGRADATION

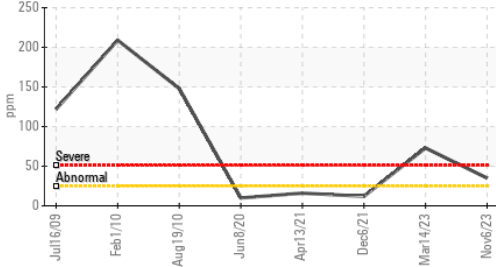
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.31	0.41

OIL ANALYSIS REPORT

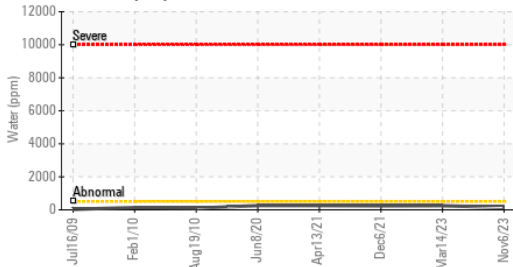
▲ Particle Trend



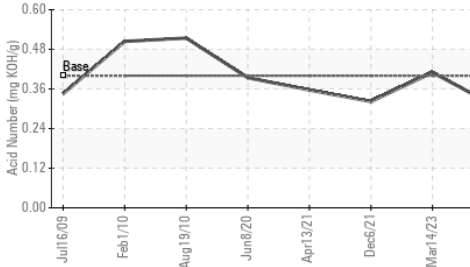
▲ Silicon (ppm)



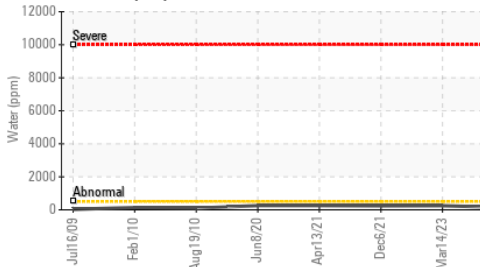
Water (KF)



Acid Number



Water (KF)

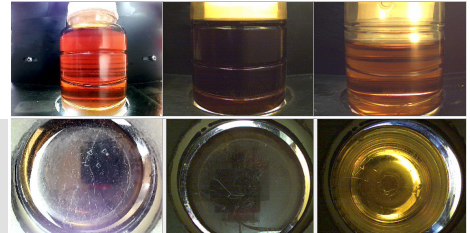


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	44.4	44.2	44.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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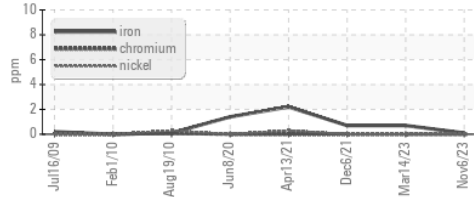
Color



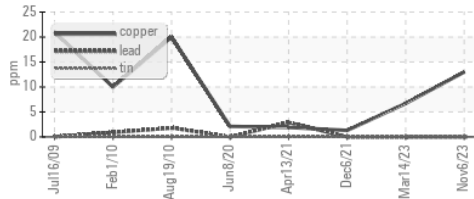
Bottom

GRAPHS

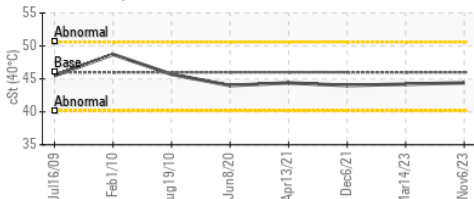
Ferrous Alloys



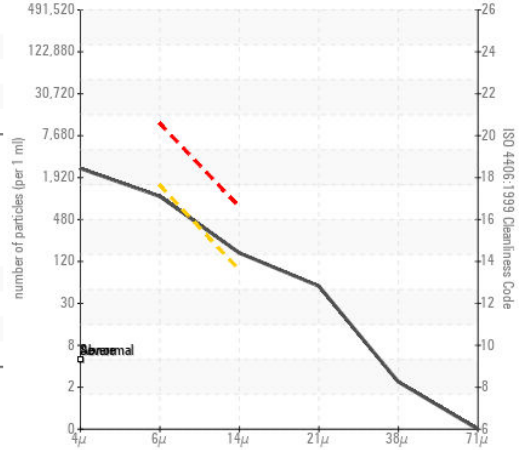
Non-ferrous Metals



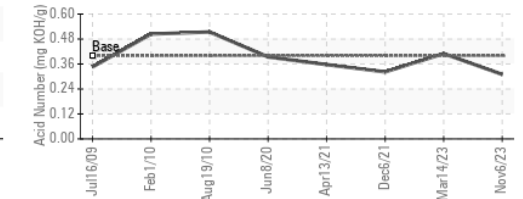
Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA009140
Lab Number : 06009676
Unique Number : 10743438
Test Package : IND 2 (Additional Tests: KF, PrtCount)

LA MEXICANA TORTILLA, INC.
 715 SKYLINE DR.
 DUNCANVILLE, TX
 US 75116
 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: