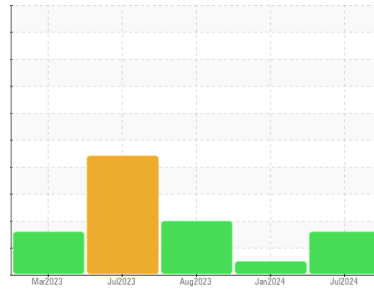




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
KAESER ASD 40T 6587878 (S/N 1070)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- LTR)

DIAGNOSIS

Recommendation

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.

Wear

All component wear rates are normal.

Contamination

There is a moderate 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		KCPA014354	KCPA007385	KCP37072
Sample Date	Client Info		01 Jul 2024	25 Jan 2024	29 Aug 2023
Machine Age	hrs	Client Info	20482	17955	15658
Oil Age	hrs	Client Info	2527	0	1000
Oil Changed	Client Info		Changed	N/A	Not Changd
Sample Status			ATTENTION	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	23	<1	8
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	0
Aluminum	ppm	ASTM D5185m >10	<1	0	3
Lead	ppm	ASTM D5185m >10	0	0	0
Copper	ppm	ASTM D5185m >50	8	6	4
Tin	ppm	ASTM D5185m >10	0	<1	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	0	0	0
Barium	ppm	ASTM D5185m 90	<1	0	2
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 100	1	0	18
Calcium	ppm	ASTM D5185m 0	2	0	3
Phosphorus	ppm	ASTM D5185m 0	8	4	2
Zinc	ppm	ASTM D5185m 0	<1	0	54
Sulfur	ppm	ASTM D5185m 23500	17809	13558	20286

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	<1	<1
Sodium	ppm	ASTM D5185m	3	<1	2
Potassium	ppm	ASTM D5185m >20	0	0	5
Water	%	ASTM D6304 >0.05	0.012	0.008	▲ 0.146
ppm Water	ppm	ASTM D6304 >500	127	89	▲ 1464

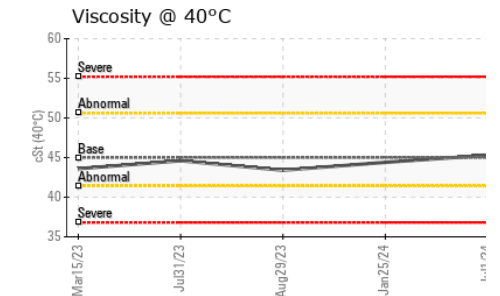
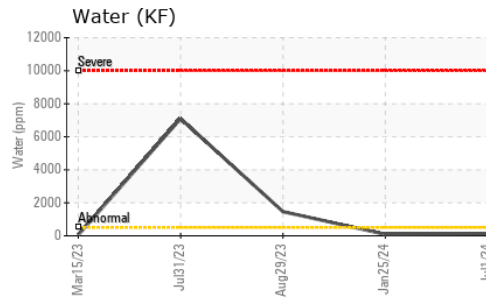
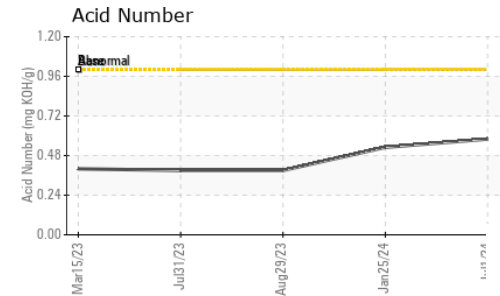
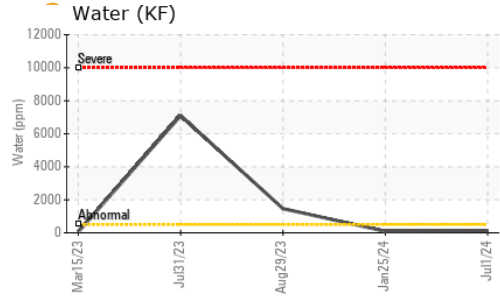
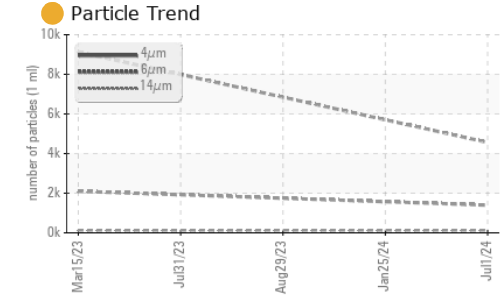
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		4562	---	---
Particles >6µm	ASTM D7647 >1300		● 1394	---	---
Particles >14µm	ASTM D7647 >80		● 116	---	---
Particles >21µm	ASTM D7647 >20		● 26	---	---
Particles >38µm	ASTM D7647 >4		2	---	---
Particles >71µm	ASTM D7647 >3		1	---	---
Oil Cleanliness	ISO 4406 (c) >--/17/13		● 19/18/14	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.0	0.58	0.53	0.39

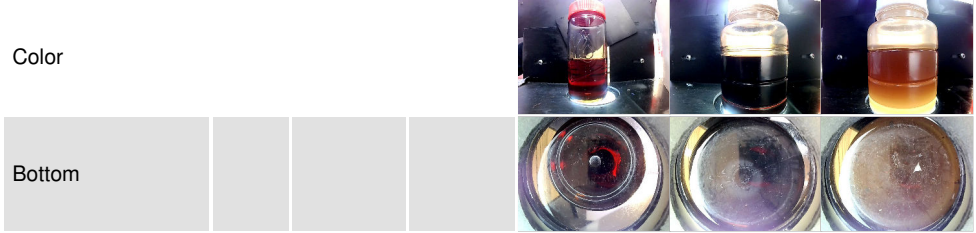
OIL ANALYSIS REPORT



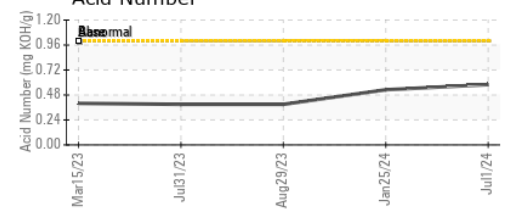
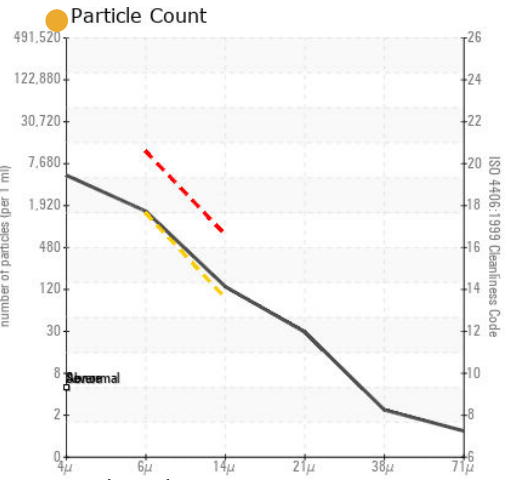
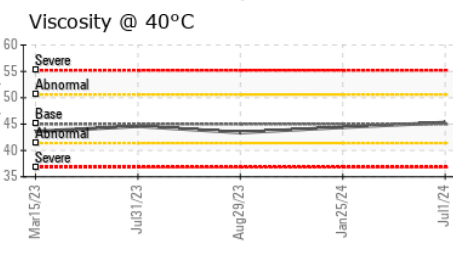
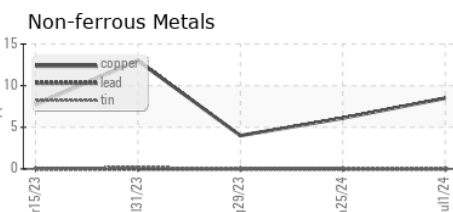
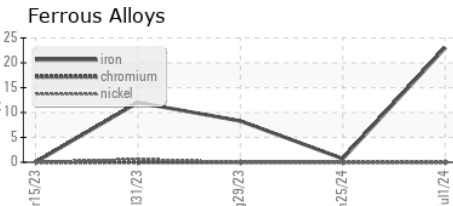
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	45.3	44.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA014354
Lab Number : 06234908
Unique Number : 11123742
Test Package : IND 2 (Additional Tests: KF, PrtCount)
Received : 12 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Don Baldrige

AMADA AMERICA INC - GTR MFG
 1 JONATHAN DR
 BROCKTON, MA
 US 02301
 Contact: B. SALVAGGI
 bsalvaggi@gtrmfg.com

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)