



PROBLEM SUMMARY

Sample Rating Trend



ISO

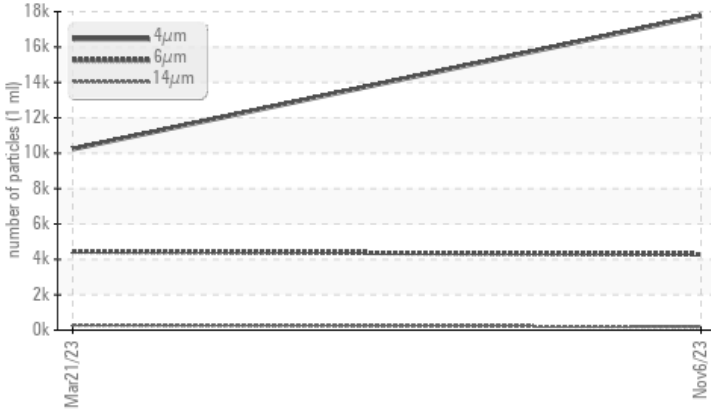


Machine Id
8085076 (S/N 1046)

Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- 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			ABNORMAL	ABNORMAL	---
Particles >6µm	ASTM D7647	>1300	▲ 4284	▲ 4449	---
Particles >14µm	ASTM D7647	>80	▲ 189	▲ 285	---
Particles >21µm	ASTM D7647	>20	▲ 39	▲ 48	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 21/19/15	▲ 21/19/15	---

Customer Id: GOOWALOH
Sample No.: KC124811
Lab Number: 06011501
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

21 Mar 2023 Diag: Doug Bogart

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 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





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
8085076 (S/N 1046)
 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.

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	KC124811	KC96234	---
Sample Date	Client Info	06 Nov 2023	21 Mar 2023	---
Machine Age	hrs	2643	1697	---
Oil Age	hrs	0	1697	---
Oil Changed	Client Info	N/A	Changed	---
Sample Status		ABNORMAL	ABNORMAL	---

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	0	0	---
Barium ppm	ASTM D5185m 90	0	6	---
Molybdenum ppm	ASTM D5185m	0	0	---
Manganese ppm	ASTM D5185m	<1	<1	---
Magnesium ppm	ASTM D5185m 90	0	70	---
Calcium ppm	ASTM D5185m 2	0	3	---
Phosphorus ppm	ASTM D5185m	0	13	---
Zinc ppm	ASTM D5185m	0	4	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	4	1	---
Sodium ppm	ASTM D5185m	18	17	---
Potassium ppm	ASTM D5185m >20	3	3	---
Water %	ASTM D6304 >0.05	0.024	0.017	---
ppm Water	ASTM D6304 >500	241.0	171.0	---

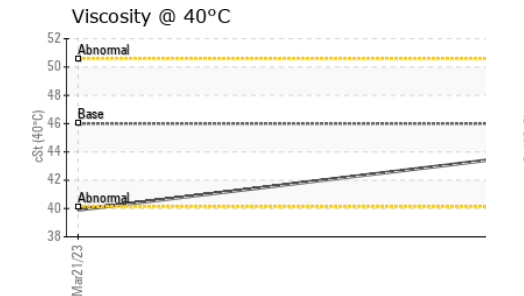
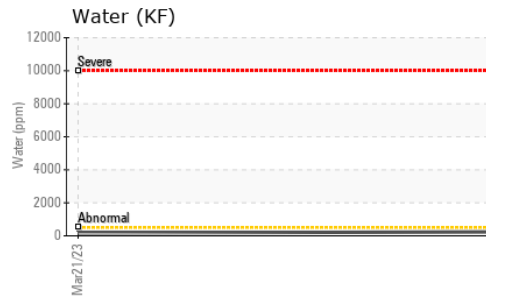
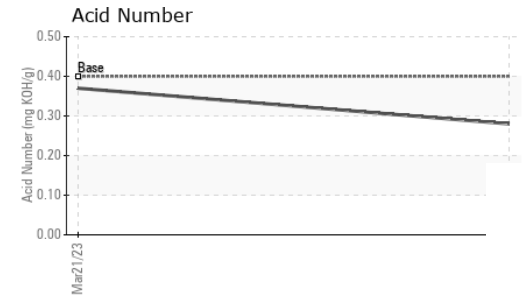
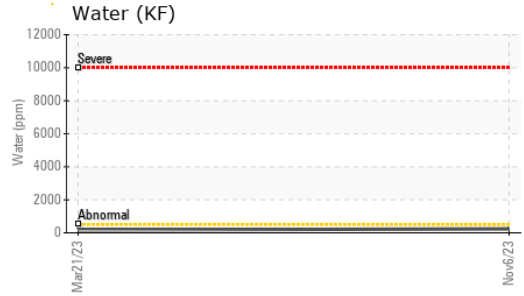
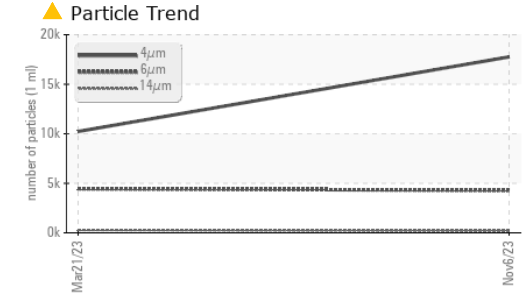
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	17759	10231	---
Particles >6µm	ASTM D7647 >1300	▲ 4284	▲ 4449	---
Particles >14µm	ASTM D7647 >80	▲ 189	▲ 285	---
Particles >21µm	ASTM D7647 >20	▲ 39	▲ 48	---
Particles >38µm	ASTM D7647 >4	1	1	---
Particles >71µm	ASTM D7647 >3	0	0	---
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 21/19/15	▲ 21/19/15	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.4	0.28	0.37	---

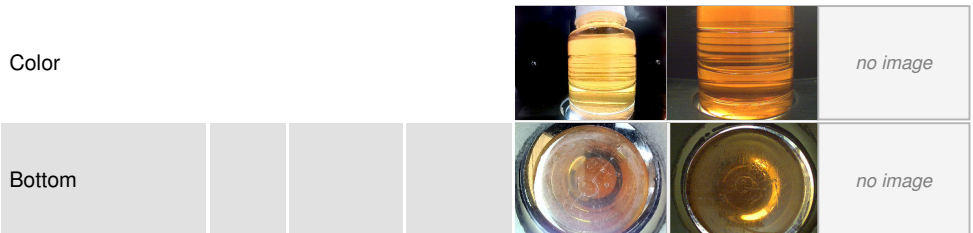
OIL ANALYSIS REPORT



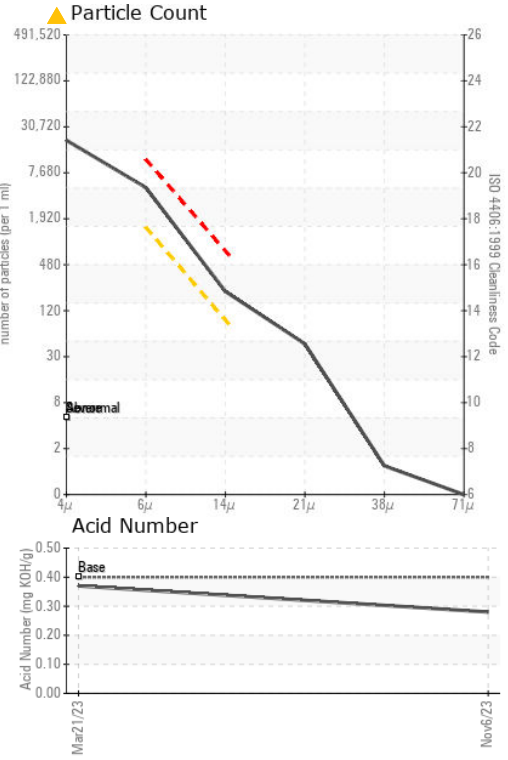
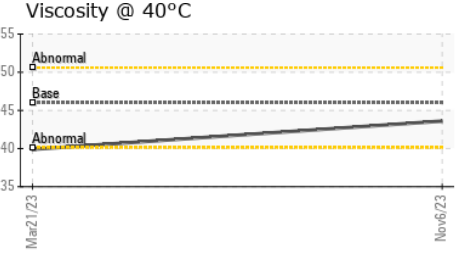
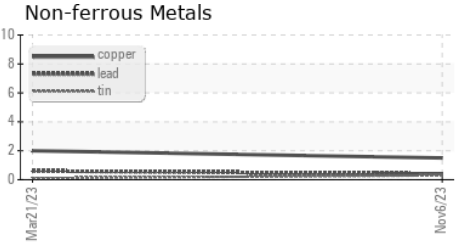
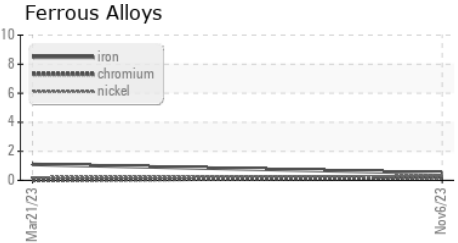
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	43.6	39.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC124811 **Received** : 17 Nov 2023
Lab Number : 06011501 **Diagnosed** : 21 Nov 2023
Unique Number : 10750645 **Diagnostician** : Don Baldrige
Test Package : IND 2

GOODYEAR
 7230 NORTHFIELD RD
 WALTON HILLS, OH
 US 44146
 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)