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# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**KAESER SK 26 2252682 (S/N 1011)**

Component  
**Compressor**

Fluid  
**KAESER SIGMA (OEM) M-460 (--- GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCPA007839	KCP5463	KCP30015
Sample Date		Client Info		02 Oct 2023	24 Feb 2023	28 Apr 2021
Machine Age	hrs	Client Info		80509	75613	67559
Oil Age	hrs	Client Info		0	3000	5207
Filter Age	hrs	Client Info		0	3000	5207
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	2	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	2
Copper	ppm	ASTM D5185m	>50	5	6	8
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

## CONTAMINATION

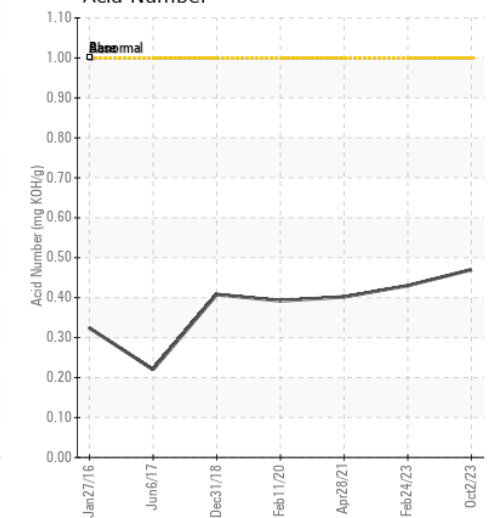
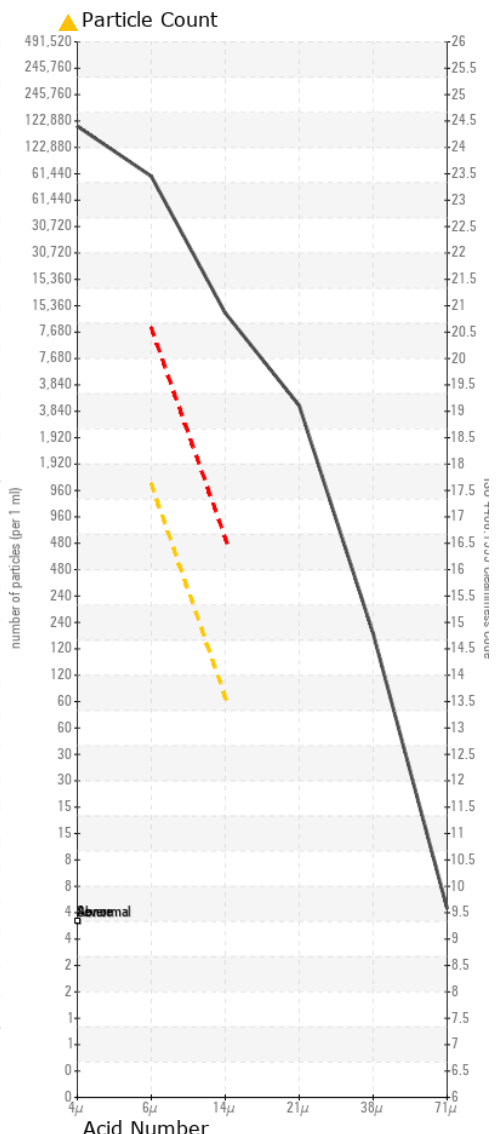
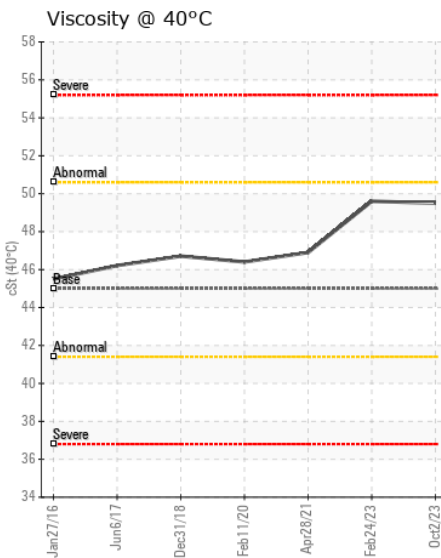
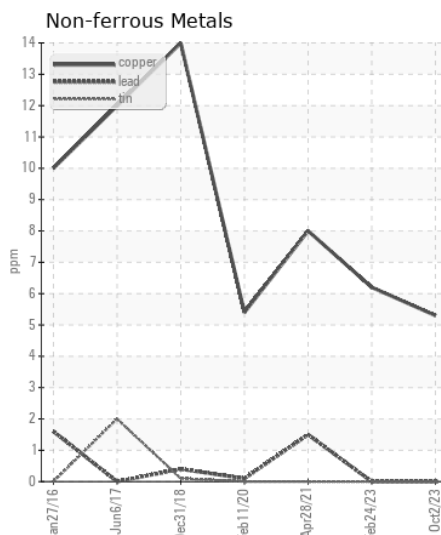
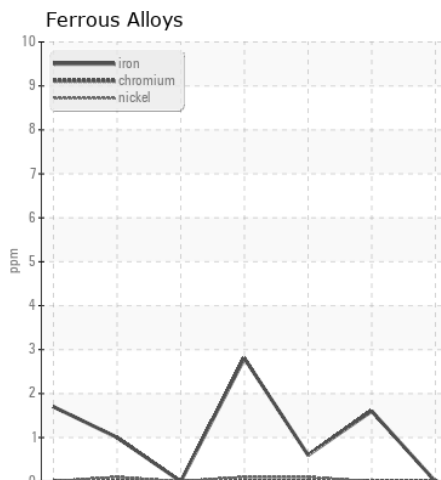
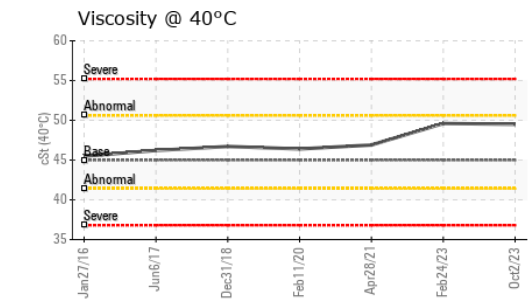
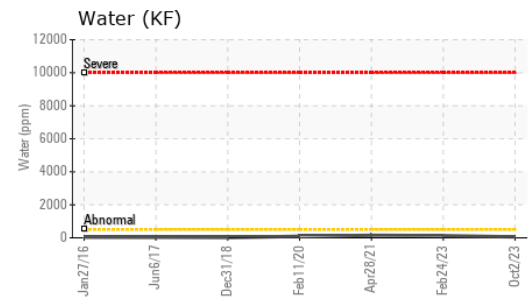
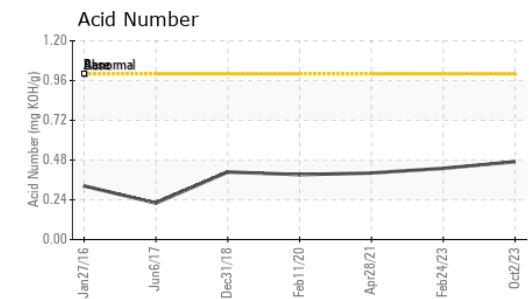
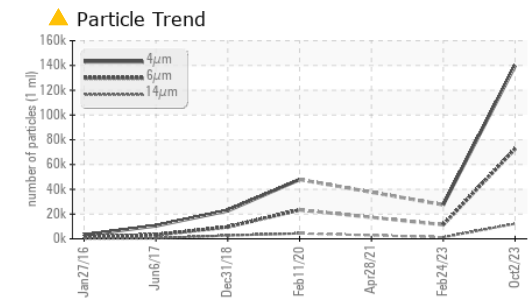
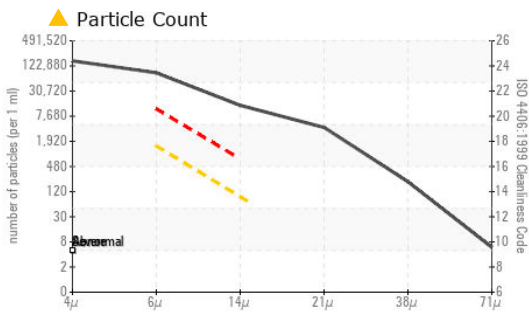
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	1	1
Potassium	ppm	ASTM D5185m	>20	0	2	0
Water	%	ASTM D6304	>0.05	0.005	0.012	0.015
ppm Water	ppm	ASTM D6304	>500	56.6	129.1	153.6
Particles >4µm		ASTM D7647		139831	27478	---
Particles >6µm		ASTM D7647	>1300	▲ 72579	▲ 11344	---
Particles >14µm		ASTM D7647	>80	▲ 12140	▲ 1280	---
Particles >21µm		ASTM D7647	>20	▲ 3612	▲ 240	---
Particles >38µm		ASTM D7647	>4	▲ 183	▲ 12	---
Particles >71µm		ASTM D7647	>3	5	1	---
Oil Cleanliness		ISO 4406 (c)	>-/17/13	▲ 24/23/21	▲ 22/21/17	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	24	1
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	0	<1	13
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	100	<1	44	17
Calcium	ppm	ASTM D5185m	0	3	0	0
Phosphorus	ppm	ASTM D5185m	0	6	3	<1
Zinc	ppm	ASTM D5185m	0	5	6	4
Sulfur	ppm	ASTM D5185m	23500	18450	22602	18018
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.47	0.43	0.402
Visc @ 40°C	cSt	ASTM D445	45	49.5	49.6	46.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCPA007839 **Received** : 18 Oct 2023  
**Lab Number** : 05982373 **Diagnosed** : 20 Oct 2023  
**Unique Number** : 10699668 **Diagnostician** : Angela Borella  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**COLORADO COACH AUTO BODY**  
 4850 VALMONT RD  
 BOULDER, CO  
 US 80301  
 Contact: DAVID  
 david@cacautobody.net

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: