



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER AIRTOWER 5C 4359172 (S/N 1084)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

RECOMMENDATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCPA012768	KCPA002150	KCP31365
Sample Date		Client Info		29 Apr 2024	23 Jun 2023	11 May 2021
Machine Age	hrs	Client Info		0	4583	1223
Oil Age	hrs	Client Info		1212	0	384
Filter Age	hrs	Client Info		1212	0	384
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	<1	<1
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	<1	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	2
Copper	ppm	ASTM D5185m	>50	20	4	3
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

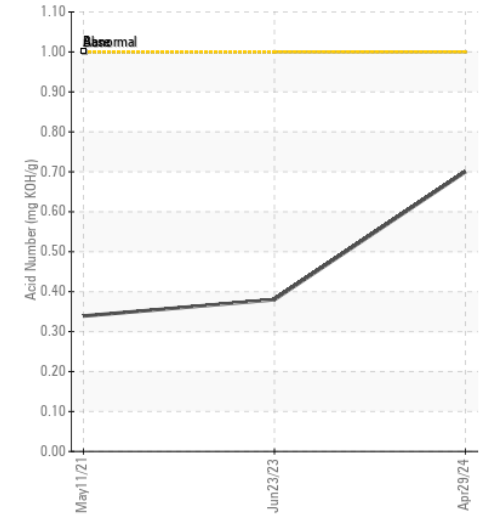
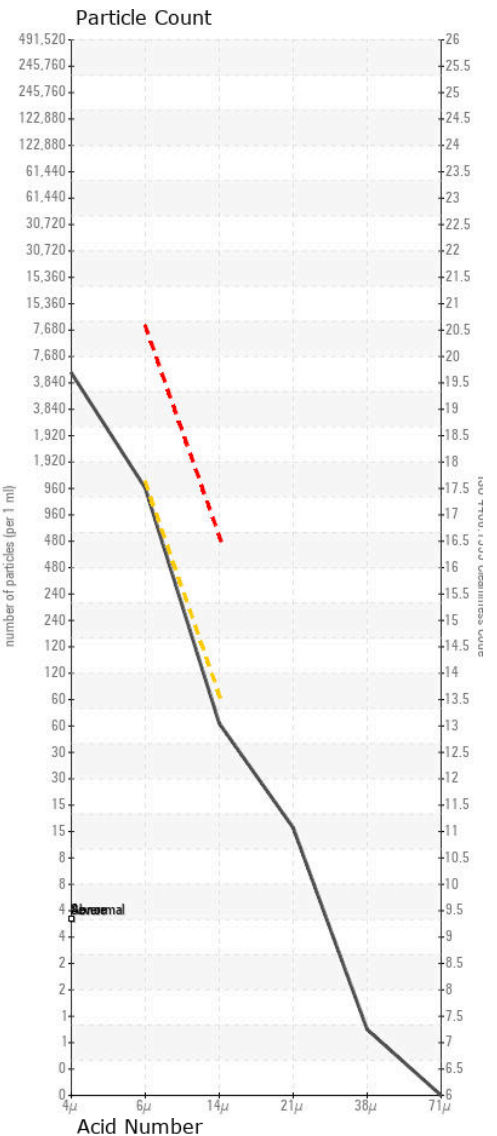
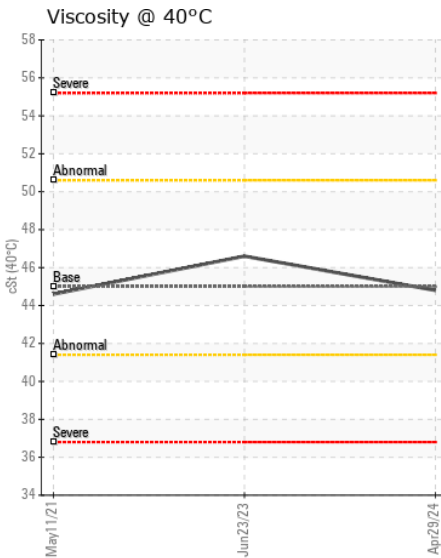
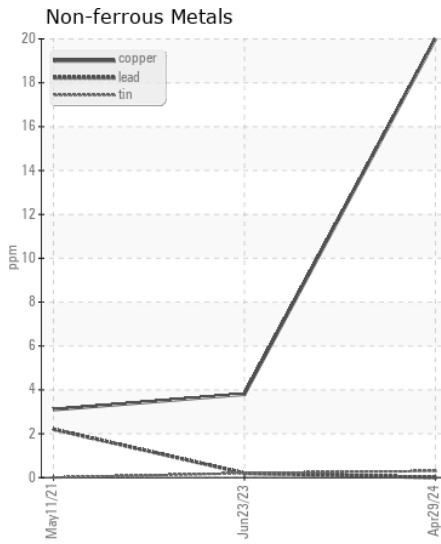
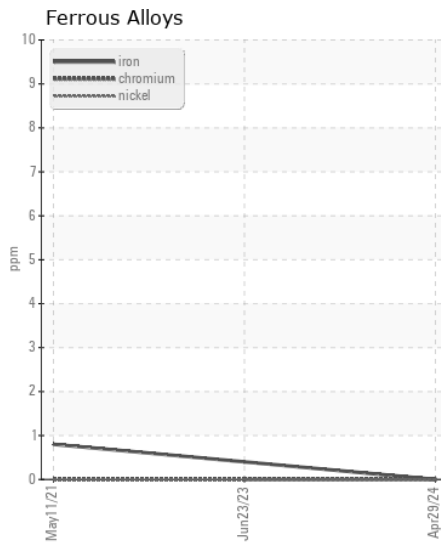
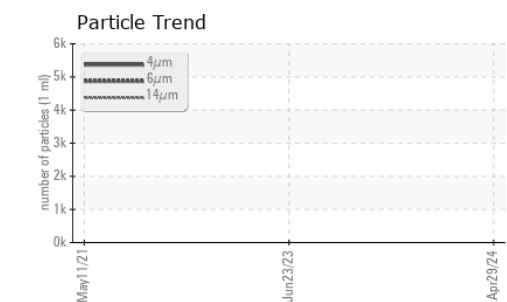
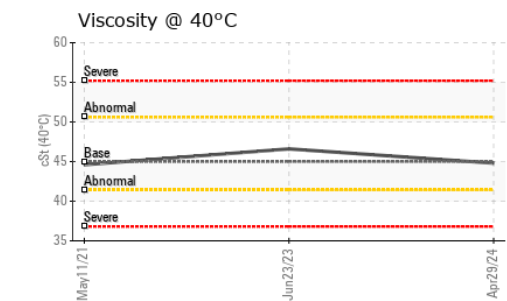
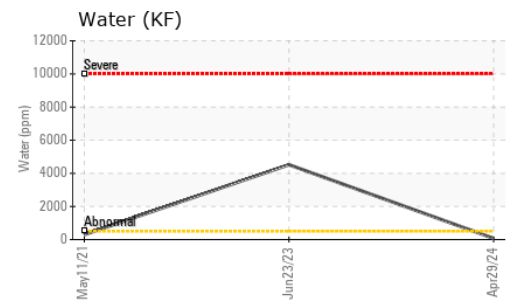
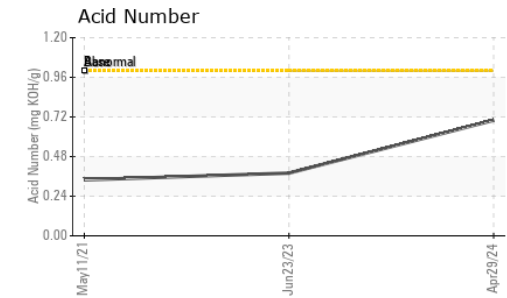
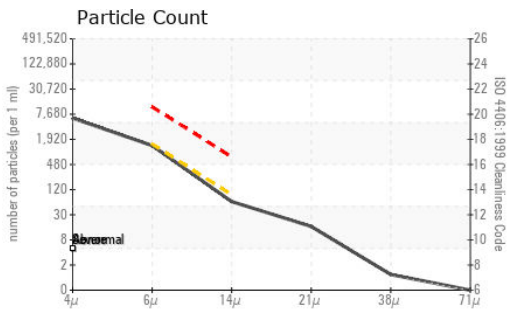
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	0	1	5
Potassium	ppm	ASTM D5185m	>20	0	3	0
Water	%	ASTM D6304	>0.05	0.007	▲ 0.452	0.029
ppm Water	ppm	ASTM D6304	>500	72	▲ 4520	296.1
Particles >4µm		ASTM D7647		5397	---	---
Particles >6µm		ASTM D7647	>1300	1193	---	---
Particles >14µm		ASTM D7647	>80	55	---	---
Particles >21µm		ASTM D7647	>20	14	---	---
Particles >38µm		ASTM D7647	>4	1	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	---/17/13	20/17/13	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	● HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	▲ 0.2%	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	6	15
Boron	ppm	ASTM D5185m	0	0	0	21
Barium	ppm	ASTM D5185m	90	<1	18	71
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	0	49	88
Calcium	ppm	ASTM D5185m	0	0	<1	0
Phosphorus	ppm	ASTM D5185m	0	0	1	2
Zinc	ppm	ASTM D5185m	0	22	2	4
Sulfur	ppm	ASTM D5185m	23500	16940	22579	20167
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.7	0.38	0.339
Visc @ 40°C	cSt	ASTM D445	45	44.8	46.6	44.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA012768
Lab Number : 06176101
Unique Number : 11022154
Test Package : IND 2 (Additional Tests: KF, PrtCount)

Received : 10 May 2024
Tested : 14 May 2024
Diagnosed : 14 May 2024 - Doug Bogart

SERVICE UNIFORM
 2580 S RARITAN ST
 ENGLEWOOD, CO
 US 80110
 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: