



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER 6876703

Component
Compressor

Fluid
KAESER SIGMA (OEM) S-460 (--- GAL)

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCPA000649	KCP52758	KCP51267
Sample Date		Client Info		21 Sep 2023	11 Jan 2023	06 Jun 2022
Machine Age	hrs	Client Info		19820	15682	12392
Oil Age	hrs	Client Info		0	3000	2069
Filter Age	hrs	Client Info		0	3000	2069
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	14	5	3
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

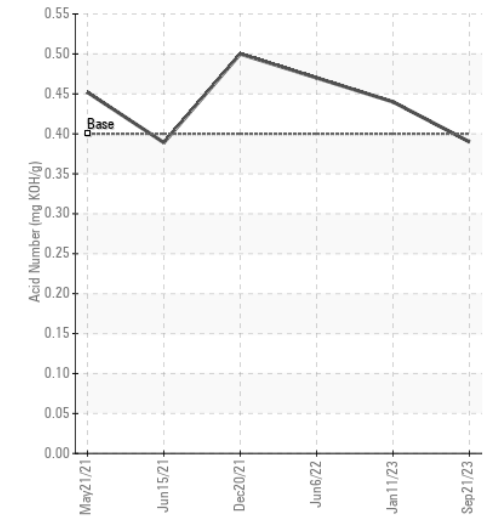
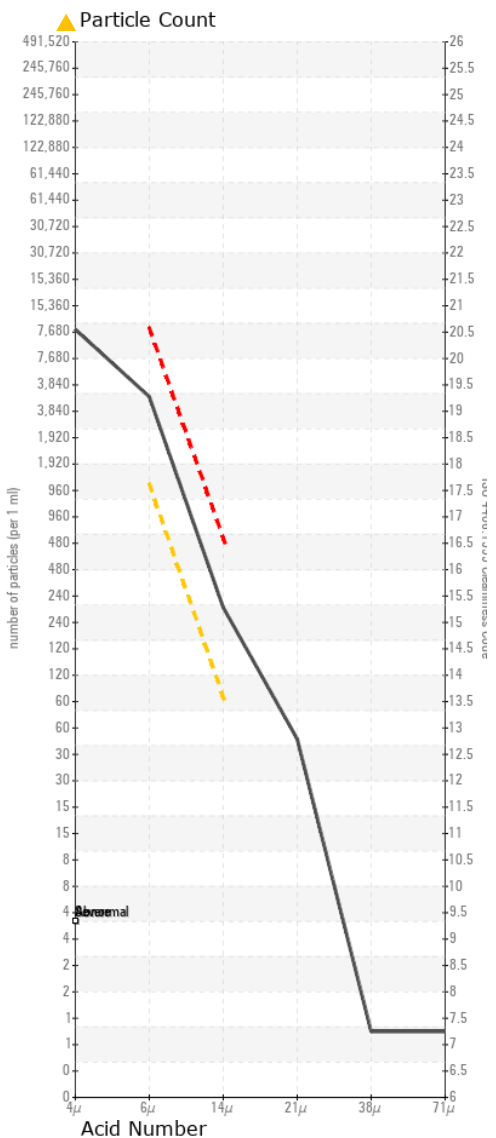
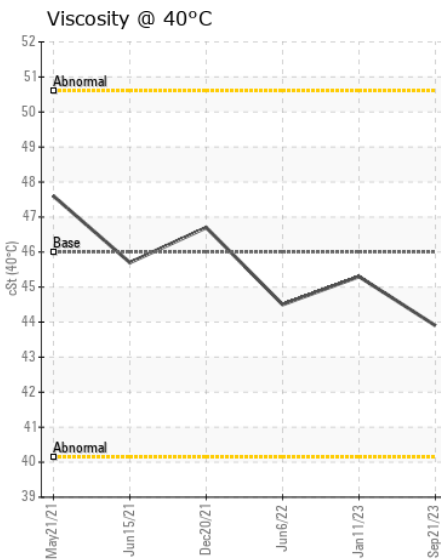
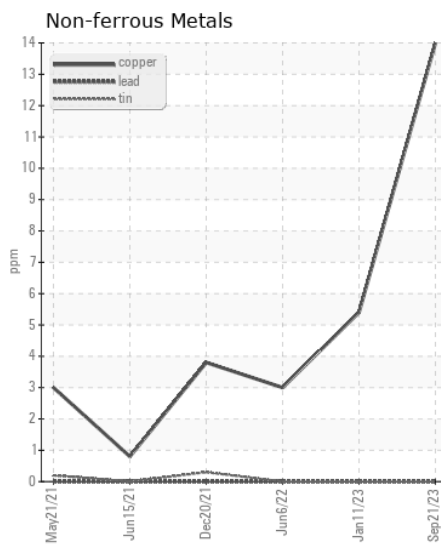
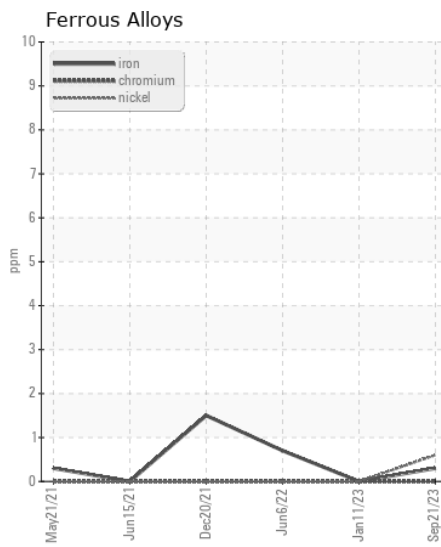
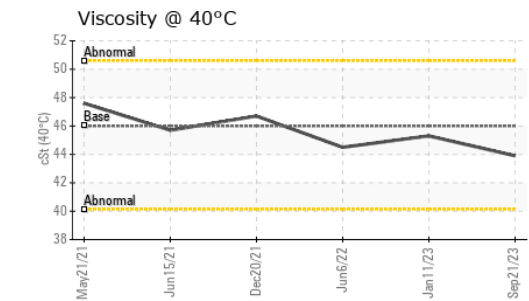
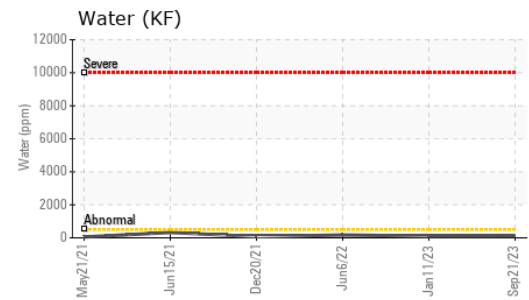
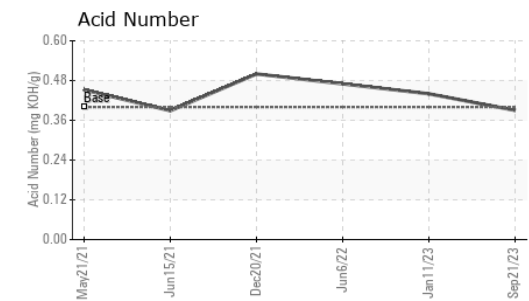
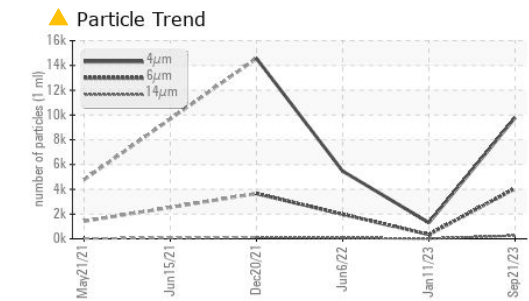
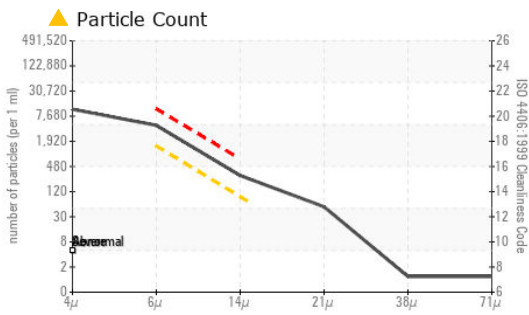
There is a high amount of particulates present in the oil. There is a moderate amount of visible silt present in the sample.

Silicon	ppm	ASTM D5185m	>25	0	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	2	2
Water	%	ASTM D6304	>0.05	0.011	0.010	0.017
ppm Water	ppm	ASTM D6304	>500	115.0	104.4	172.1
Particles >4µm		ASTM D7647		9786	1304	5466
Particles >6µm		ASTM D7647	>1300	▲ 4054	344	▲ 1977
Particles >14µm		ASTM D7647	>80	▲ 257	13	77
Particles >21µm		ASTM D7647	>20	▲ 46	3	18
Particles >38µm		ASTM D7647	>4	1	0	0
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	:-/17/13	▲ 20/19/15	18/16/11	▲ 20/18/13
Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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 suitable for further service.

Sodium	ppm	ASTM D5185m		0	9	17
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	49
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	4	48	64
Calcium	ppm	ASTM D5185m	2	0	0	3
Phosphorus	ppm	ASTM D5185m		<1	4	<1
Zinc	ppm	ASTM D5185m		7	2	2
Sulfur	ppm	ASTM D5185m		27541	19115	16798
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.39	0.44	0.47
Visc @ 40°C	cSt	ASTM D445	46	43.9	45.3	44.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA000649 **Received** : 06 Oct 2023
Lab Number : 05971464 **Diagnosed** : 10 Oct 2023
Unique Number : 10683414 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

PRECISION GLASS BLOWING
 14775 E HINSDALE AVE
 CENTENNIAL, CO
 US 80112
 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: