



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER SFC 37 3887846 (S/N 1127)

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		KCPA006618	KCP41200	KCP42495
Sample Date		Client Info		27 Sep 2023	02 Sep 2022	13 Oct 2021
Machine Age	hrs	Client Info		26201	24072	22556
Oil Age	hrs	Client Info		0	2000	4000
Filter Age	hrs	Client Info		0	2000	4000
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

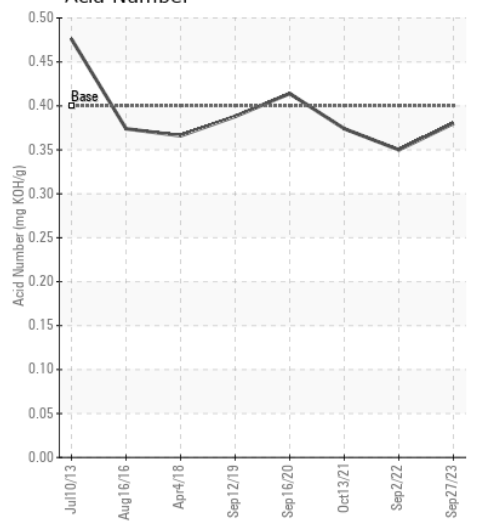
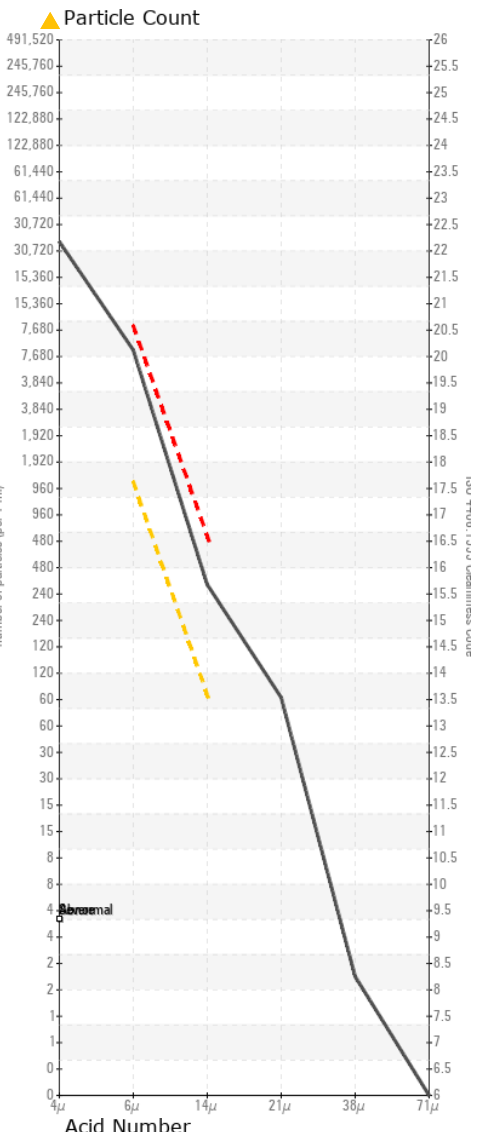
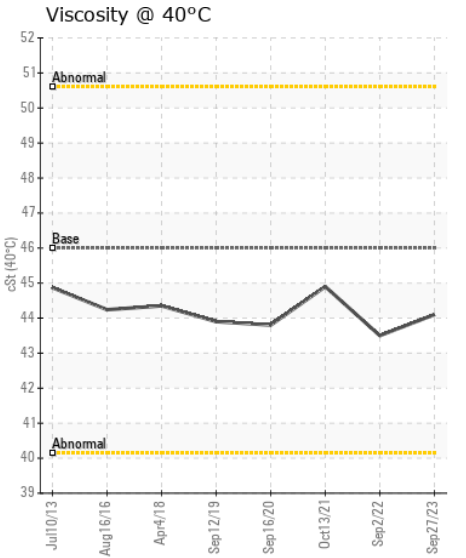
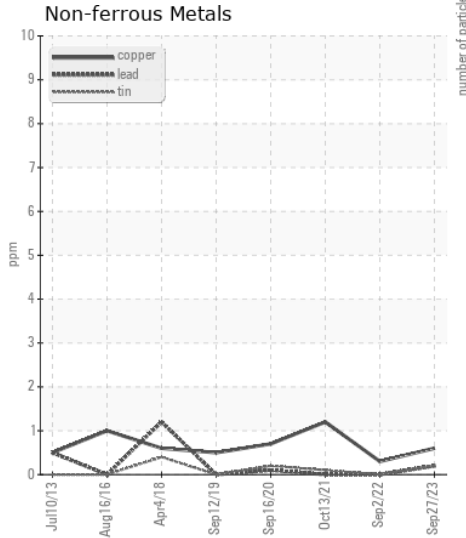
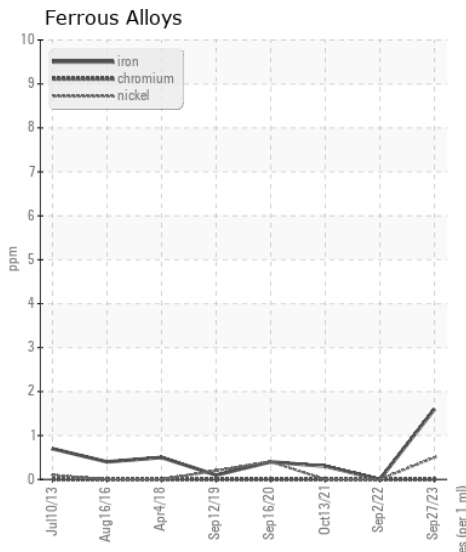
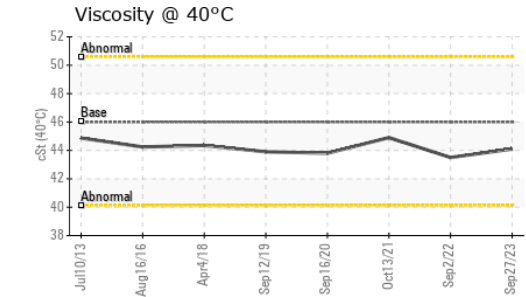
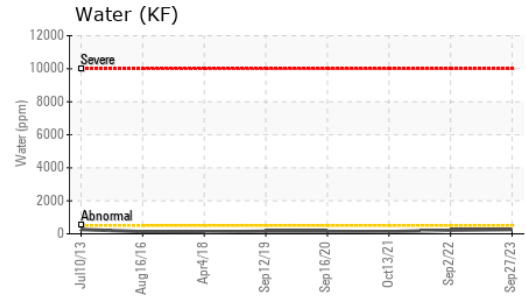
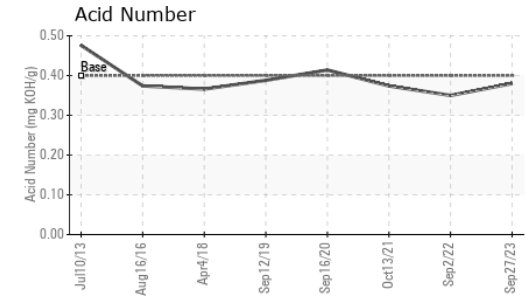
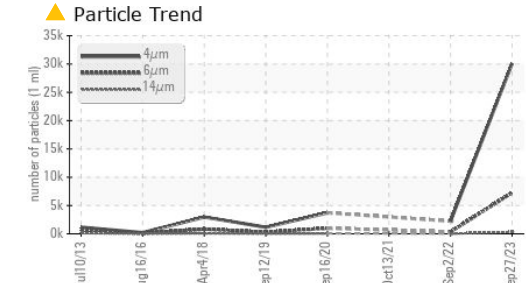
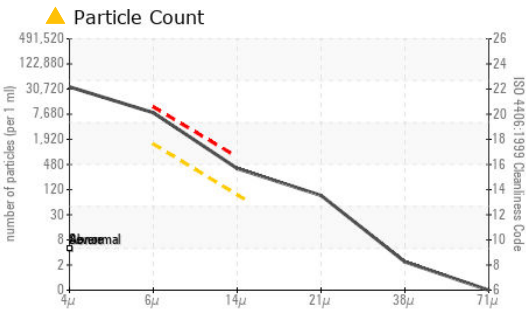
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	0	0	0
Potassium	ppm	ASTM D5185m	>20	4	2	<1
Water	%	ASTM D6304	>0.05	0.025	0.021	0.013
ppm Water	ppm	ASTM D6304	>500	259.2	215.6	131.1
Particles >4µm		ASTM D7647		30080	2235	---
Particles >6µm		ASTM D7647	>1300	▲ 7265	351	---
Particles >14µm		ASTM D7647	>80	▲ 338	19	---
Particles >21µm		ASTM D7647	>20	▲ 77	3	---
Particles >38µm		ASTM D7647	>4	2	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	≥-/17/13	▲ 22/20/16	18/16/11	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ 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 suitable for further service.

Sodium	ppm	ASTM D5185m		20	17	11
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	5	8	3
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	85	81	40
Calcium	ppm	ASTM D5185m	2	3	2	0
Phosphorus	ppm	ASTM D5185m		<1	2	1
Zinc	ppm	ASTM D5185m		8	3	2
Sulfur	ppm	ASTM D5185m		21461	22051	16959
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.38	0.35	0.374
Visc @ 40°C	cSt	ASTM D445	46	44.1	43.5	44.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA006618 **Received** : 06 Oct 2023
Lab Number : 05971466 **Diagnosed** : 10 Oct 2023
Unique Number : 10683416 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

GOLDER CONSTRUCTION SERVICES
 26250 FSR 330 / CR14
 DEL NORTE, CO
 US 81132
 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: