



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER SFC 37 6239393 (S/N 1119)

Component
Compressor

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

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count on this sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCP48373	KC85980D	KC102621
Sample Date		Client Info		28 Aug 2023	23 Jan 2023	02 Aug 2022
Machine Age	hrs	Client Info		46852	41907	37936
Oil Age	hrs	Client Info		2000	4200	2326
Filter Age	hrs	Client Info		2000	4200	2326
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Cleaned
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	0	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	2
Aluminum	ppm	ASTM D5185m	>10	<1	0	2
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	7	11	12
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	MODER	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

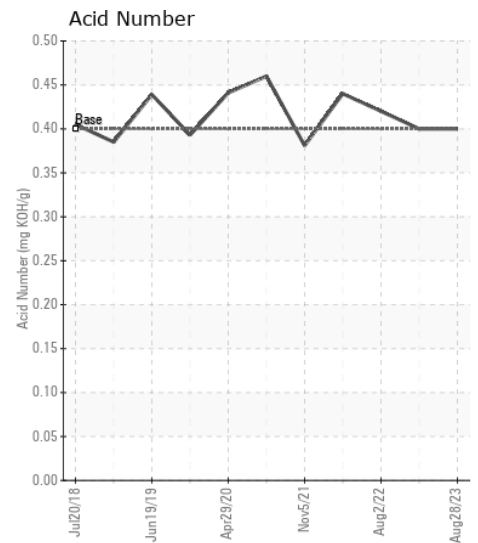
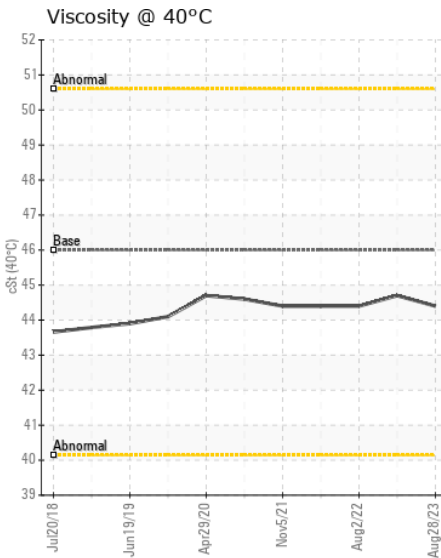
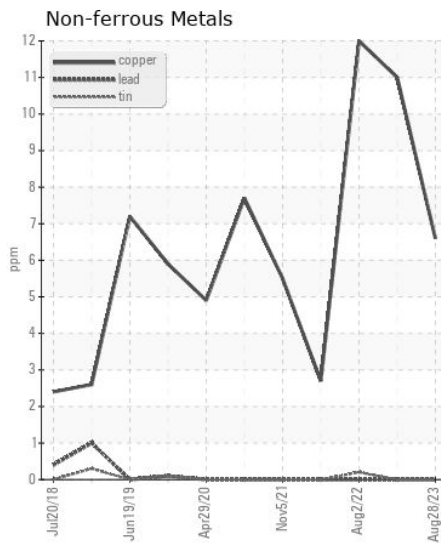
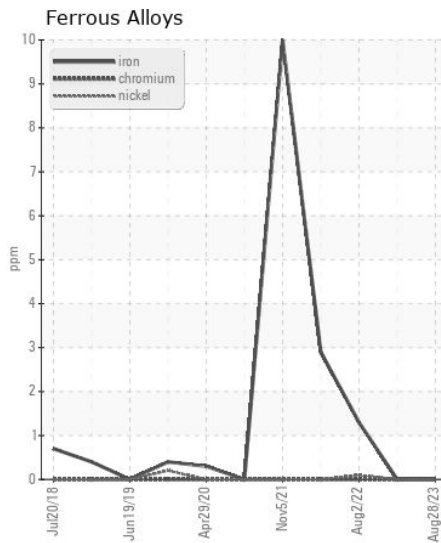
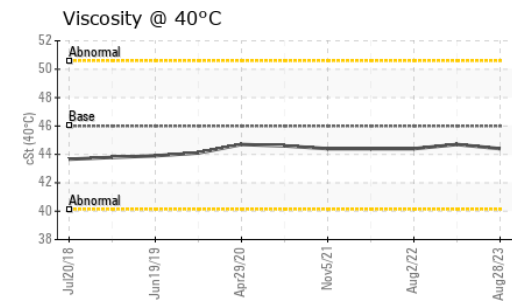
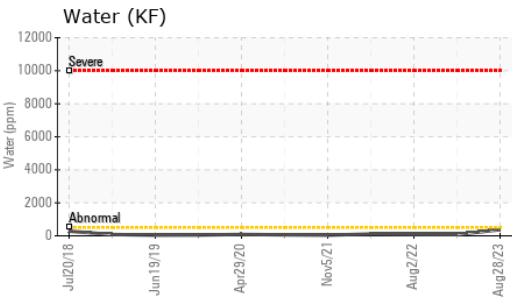
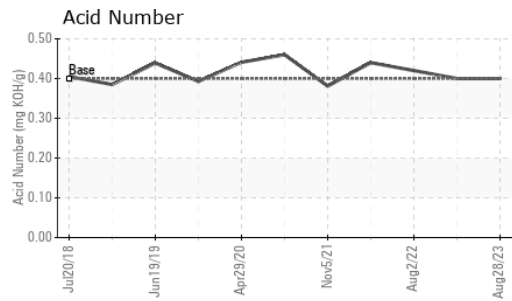
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.05	0.037	0.007	0.008
ppm Water	ppm	ASTM D6304	>500	371.0	75.9	86.3
Particles >4µm		ASTM D7647		---	10202	---
Particles >6µm		ASTM D7647	>1300	---	▲ 3056	---
Particles >14µm		ASTM D7647	>80	---	▲ 200	---
Particles >21µm		ASTM D7647	>20	---	▲ 42	---
Particles >38µm		ASTM D7647	>4	---	1	---
Particles >71µm		ASTM D7647	>3	---	0	---
Oil Cleanliness		ISO 4406 (c)	---/17/13	---	▲ 21/19/15	---
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 suitable for further service.

Sodium	ppm	ASTM D5185m		1	0	2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	90	0	<1	9
Calcium	ppm	ASTM D5185m	2	0	0	<1
Phosphorus	ppm	ASTM D5185m		<1	5	3
Zinc	ppm	ASTM D5185m		6	13	24
Sulfur	ppm	ASTM D5185m		19991	16346	17077
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.40	0.40	0.42
Visc @ 40°C	cSt	ASTM D445	46	44.4	44.7	44.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP48373 **Received** : 06 Sep 2023
Lab Number : 05943596 **Diagnosed** : 08 Sep 2023
Unique Number : 10634208 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

ELDON JAMES CORP
 10325 E 47TH ST
 DENVER, CO
 US 80238
 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: