



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER SX5T 3345673 (S/N 1008)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCPA013290	KCP15072	KCP29541
Sample Date		Client Info		06 Mar 2024	18 Sep 2018	15 Apr 2013
Machine Age	hrs	Client Info		3625	2920	2427
Oil Age	hrs	Client Info		0	285	1656
Filter Age	hrs	Client Info		0	285	1656
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	<1
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	0	1
Lead	ppm	ASTM D5185m	>10	0	0	5
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

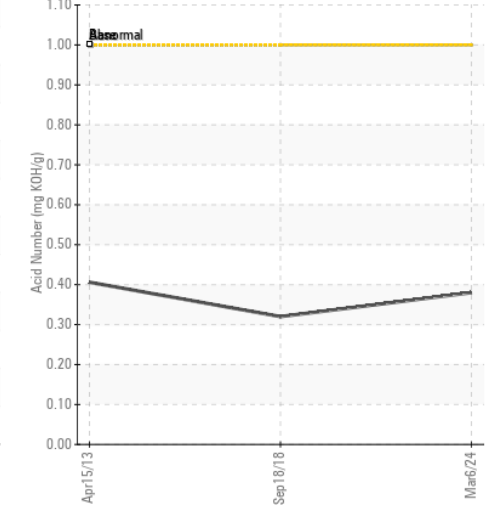
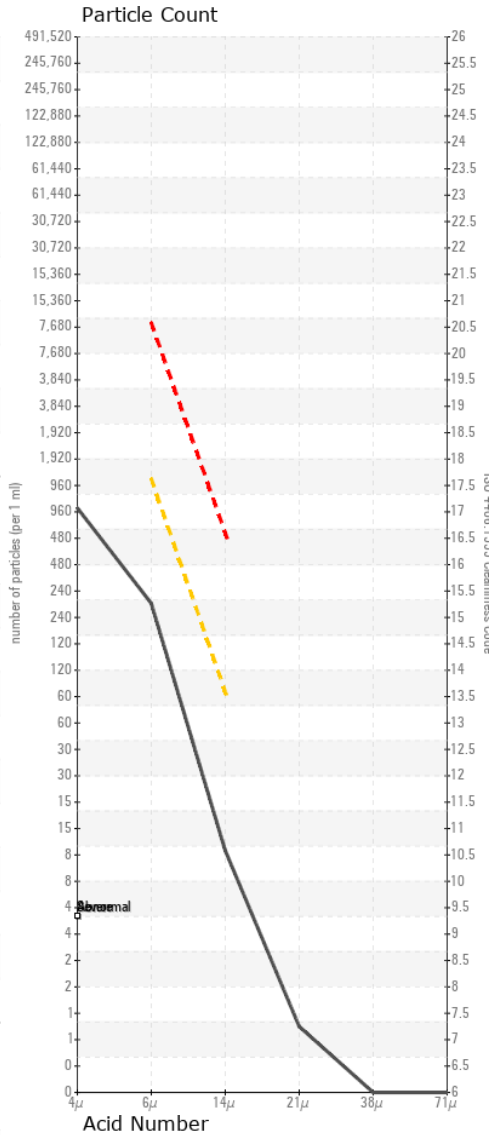
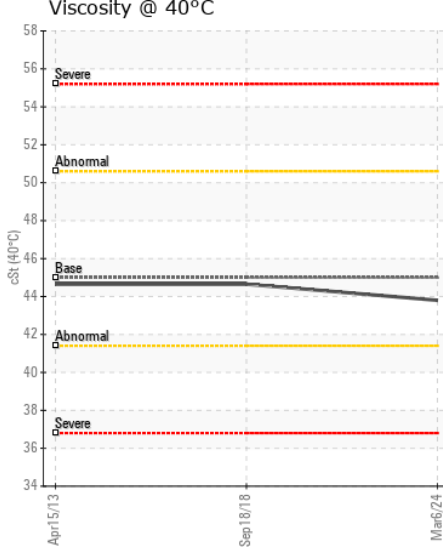
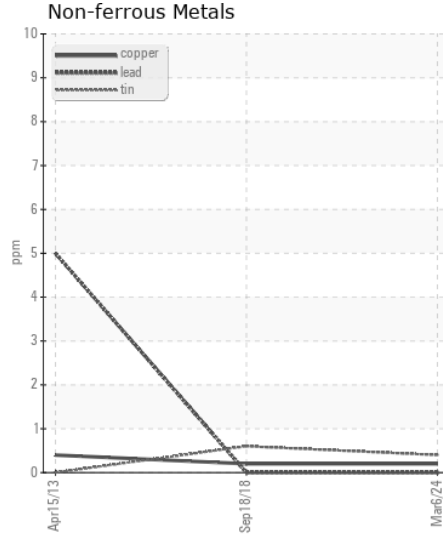
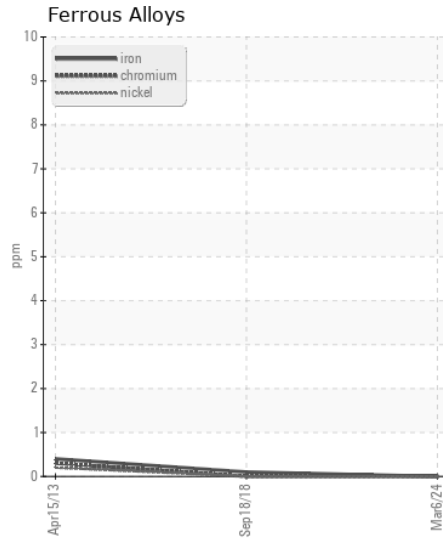
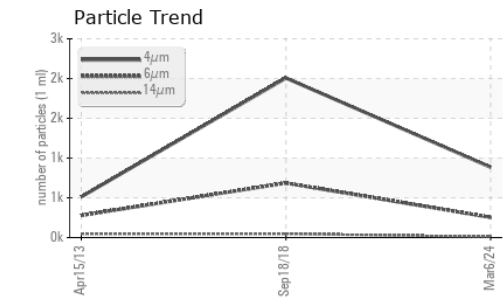
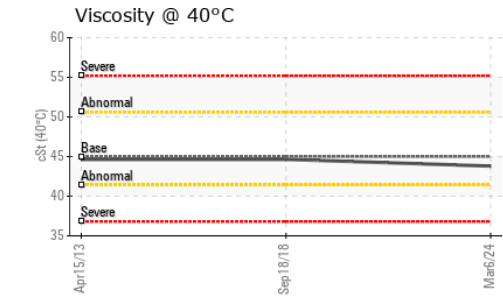
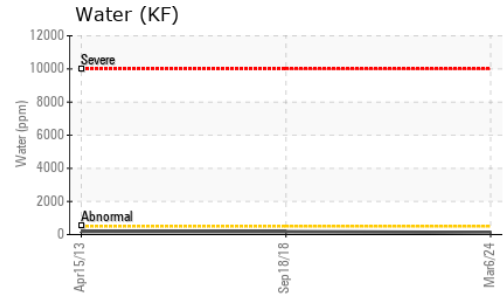
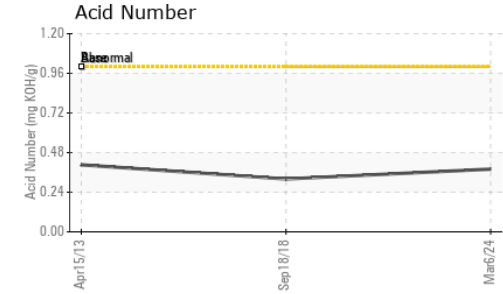
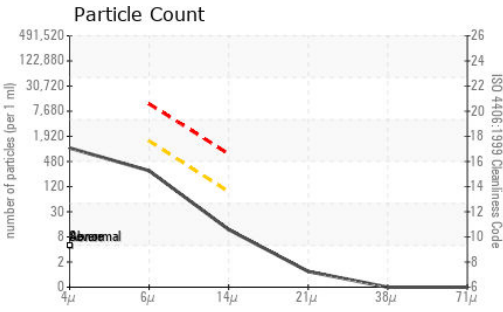
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	1	<1	2
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water	%	ASTM D6304	>0.05	0.012	0.018	0.019
ppm Water	ppm	ASTM D6304	>500	124	180	190
Particles >4µm		ASTM D7647		885	2007	512
Particles >6µm		ASTM D7647	>1300	254	686	279
Particles >14µm		ASTM D7647	>80	10	47	47
Particles >21µm		ASTM D7647	>20	1	11	16
Particles >38µm		ASTM D7647	>4	0	0	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	---/17/13	17/15/10	17/13	15/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	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		12	11	10
Boron	ppm	ASTM D5185m	0	0	<1	<1
Barium	ppm	ASTM D5185m	90	35	65	76
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	74	82	99
Calcium	ppm	ASTM D5185m	0	<1	<1	4
Phosphorus	ppm	ASTM D5185m	0	0	0	1
Zinc	ppm	ASTM D5185m	0	0	5	4
Sulfur	ppm	ASTM D5185m	23500	23877	17366	23157
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.38	0.320	0.406
Visc @ 40°C	cSt	ASTM D445	45	43.8	44.65	44.65



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA013290 **Received** : 20 Mar 2024
Lab Number : 06123658 **Tested** : 25 Mar 2024
Unique Number : 10937809 **Diagnosed** : 25 Mar 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF, PrtCount)

SONTEC INSTRUMENTS
 7248 S TUCSON WAY
 ENGLEWOOD, 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: