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OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER SX 7.5 4817968 (S/N 1139)

Component
Compressor

Fluid
KAESER SIGMA (OEM) M-460 (--- QTS)

RECOMMENDATION

There is too much water present in this sample to perform a particle count. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

WEAR

All component wear rates are normal.

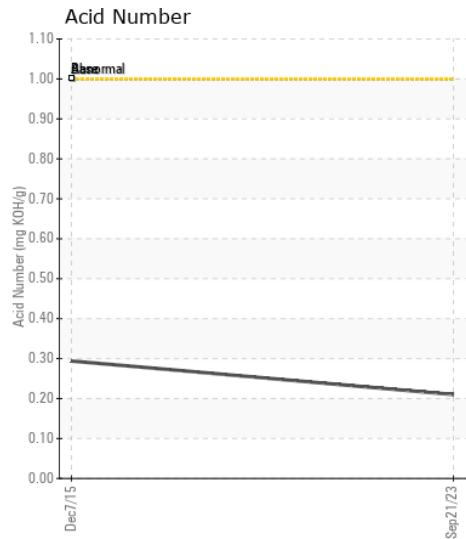
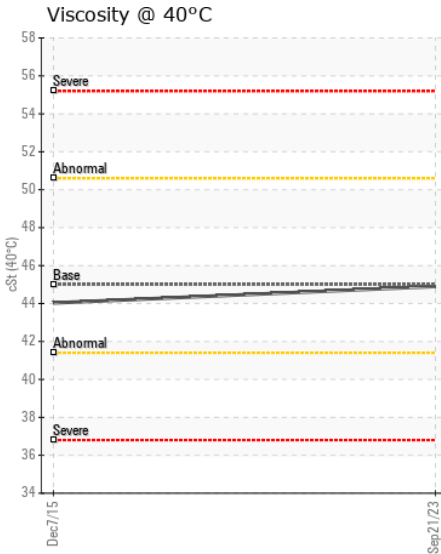
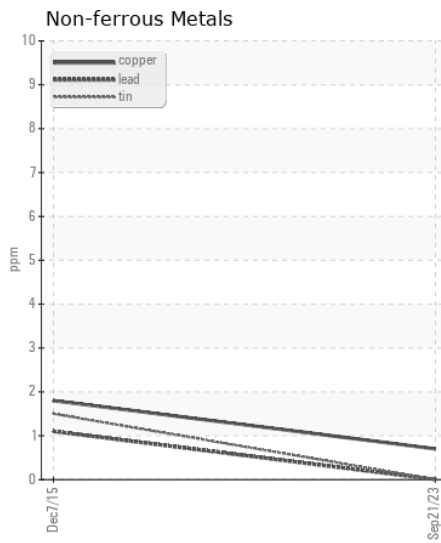
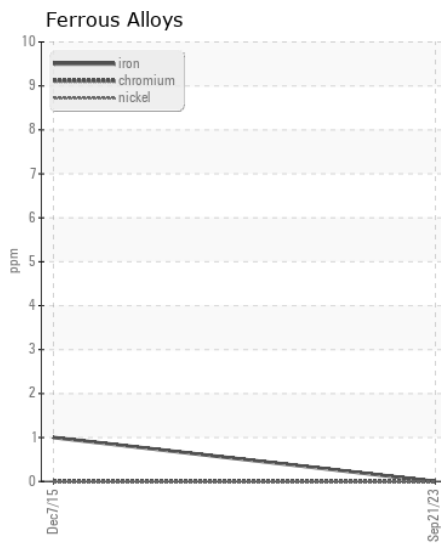
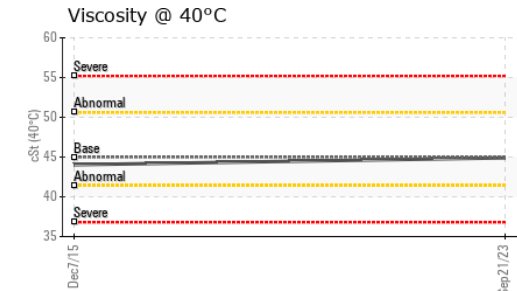
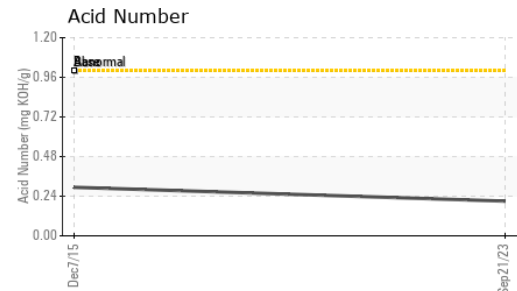
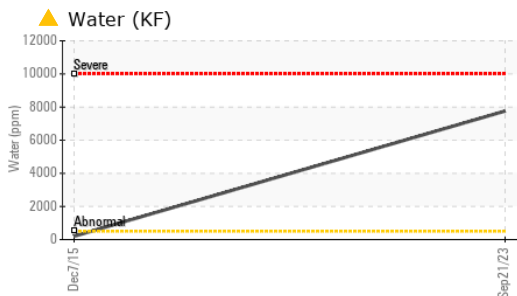
CONTAMINATION

There is a moderate concentration of water present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCPA000642	KCP47739	---
Sample Date		Client Info		21 Sep 2023	07 Dec 2015	---
Machine Age	hrs	Client Info		1865	330	---
Oil Age	hrs	Client Info		0	330	---
Filter Age	hrs	Client Info		0	330	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
<hr/>						
Iron	ppm	ASTM D5185m	>50	0	1	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>3	0	0	---
Titanium	ppm	ASTM D5185m	>3	0	0	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>10	0	0	---
Lead	ppm	ASTM D5185m	>10	0	1	---
Copper	ppm	ASTM D5185m	>50	<1	2	---
Tin	ppm	ASTM D5185m	>10	0	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	HEAVY	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
<hr/>						
Silicon	ppm	ASTM D5185m	>25	15	24	---
Potassium	ppm	ASTM D5185m	>20	0	3	---
Water	%	ASTM D6304	>0.05	▲ 0.776	0.020	---
ppm Water	ppm	ASTM D6304	>500	▲ 7760	200	---
Particles >4µm		ASTM D7647		---	16026	---
Particles >6µm		ASTM D7647	>1300	---	▲ 8730	---
Particles >14µm		ASTM D7647	>80	---	▲ 1487	---
Particles >21µm		ASTM D7647	>20	---	▲ 501	---
Particles >38µm		ASTM D7647	>4	---	▲ 77	---
Particles >71µm		ASTM D7647	>3	---	▲ 7	---
Oil Cleanliness		ISO 4406 (c)	>17/13	---	▲ 20/18	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	▲ 0.2%	NEG	---
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Sodium	ppm	ASTM D5185m		2	15	---
Boron	ppm	ASTM D5185m	0	0	<1	---
Barium	ppm	ASTM D5185m	90	5	18	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m	100	13	75	---
Calcium	ppm	ASTM D5185m	0	0	3	---
Phosphorus	ppm	ASTM D5185m	0	2	42	---
Zinc	ppm	ASTM D5185m	0	14	10	---
Sulfur	ppm	ASTM D5185m	23500	19295	18625	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.21	0.294	---
Visc @ 40°C	cSt	ASTM D445	45	44.9	44.03	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA000642 **Received** : 18 Oct 2023
Lab Number : 05982393 **Diagnosed** : 21 Oct 2023
Unique Number : 10699688 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

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)

ZAHOUREK SYSTEMS
 2198 W 15TH ST
 LOVELAND, CO
 US 80538
 Contact: SERVICE MANAGER
 3d@anatomyinclay.com
 T:
 F: