



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
KAESER SX 7.5 4973734 (S/N 1196)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCPA014411	KCPA001986	KCP10658
Sample Date		Client Info		15 May 2024	23 May 2023	02 Jun 2020
Machine Age	hrs	Client Info		31613	29484	13732
Oil Age	hrs	Client Info		1765	0	2532
Filter Age	hrs	Client Info		1765	0	2532
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	NORMAL

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	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	4	17	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

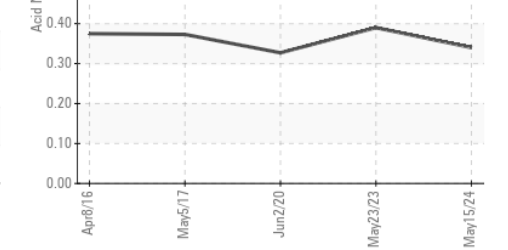
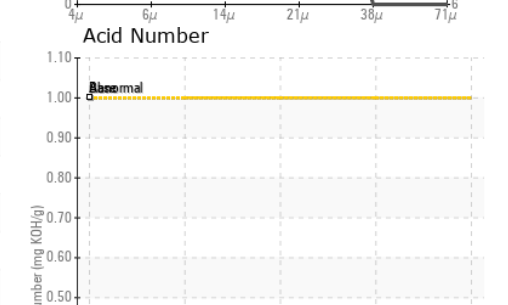
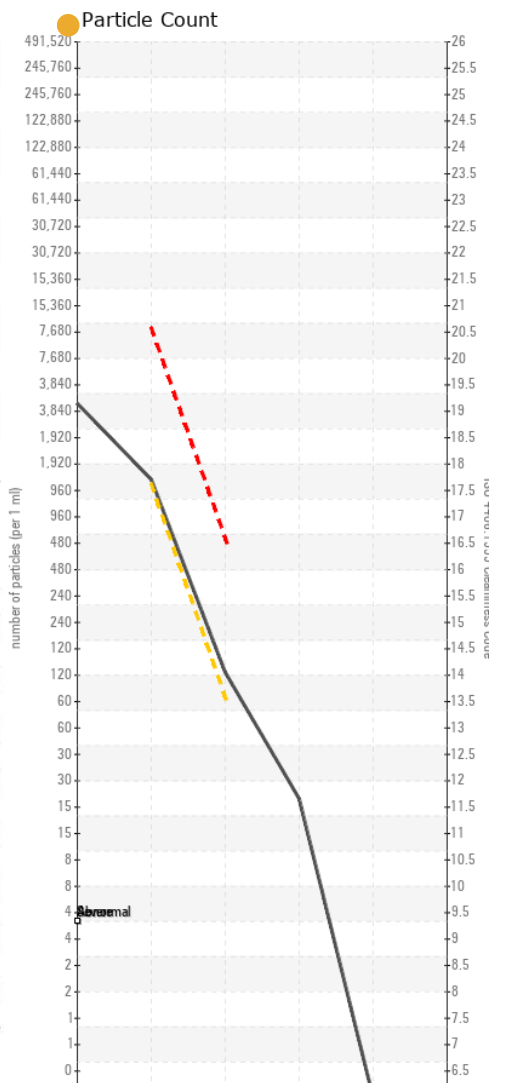
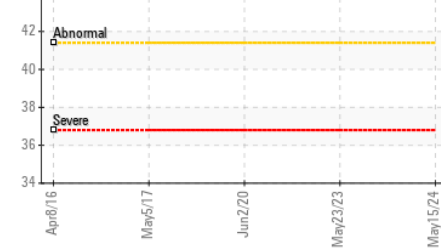
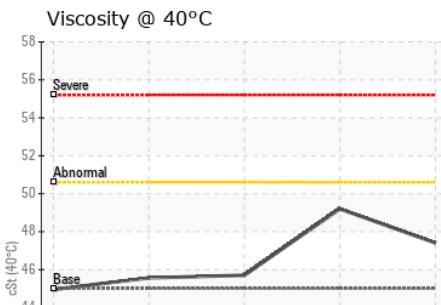
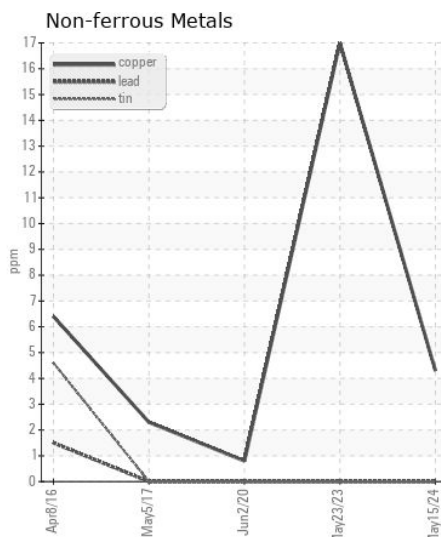
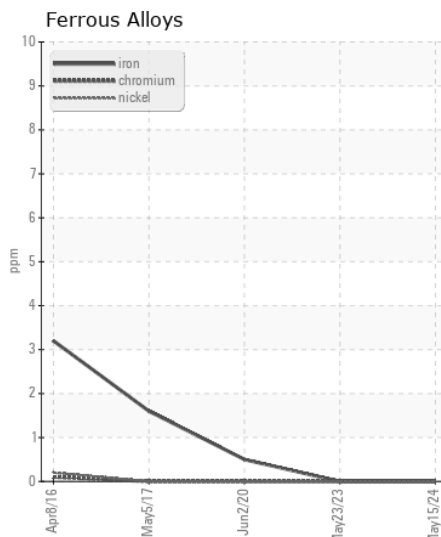
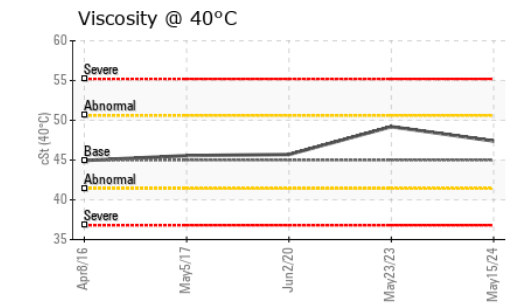
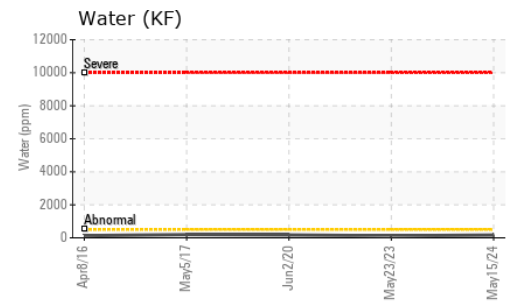
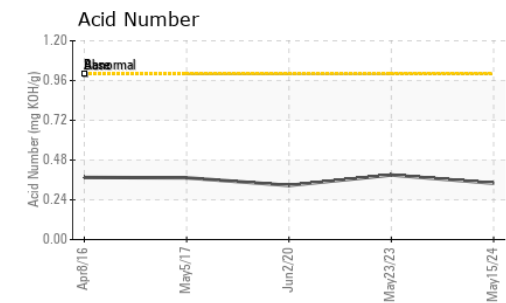
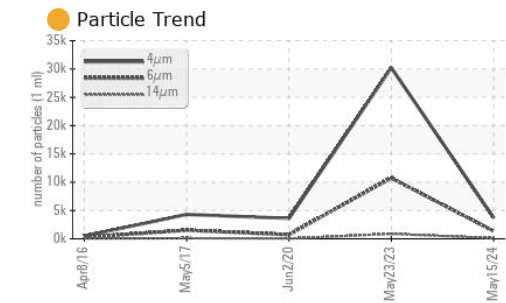
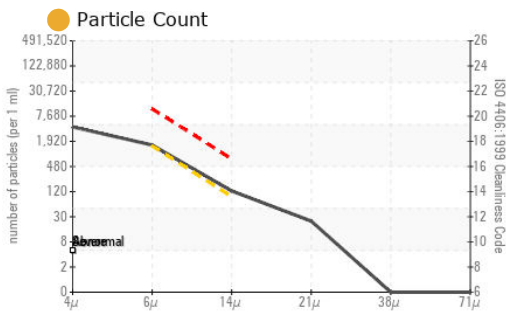
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	0	1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.05	0.016	0.011	0.017
ppm Water	ppm	ASTM D6304	>500	168	119.8	172.1
Particles >4µm		ASTM D7647		3711	30227	3611
Particles >6µm		ASTM D7647	>1300	1371	10756	730
Particles >14µm		ASTM D7647	>80	110	876	42
Particles >21µm		ASTM D7647	>20	21	190	14
Particles >38µm		ASTM D7647	>4	0	3	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>-/17/13	19/18/14	22/21/17	17/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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		17	6	15
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	90	16	5	53
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	57	26	85
Calcium	ppm	ASTM D5185m	0	0	0	2
Phosphorus	ppm	ASTM D5185m	0	4	0	0
Zinc	ppm	ASTM D5185m	0	10	14	4
Sulfur	ppm	ASTM D5185m	23500	21568	22369	18969
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.34	0.39	0.327
Visc @ 40°C	cSt	ASTM D445	45	47.4	49.2	45.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA014411 **Received** : 22 May 2024
Lab Number : 06188240 **Tested** : 24 May 2024
Unique Number : 11044992 **Diagnosed** : 24 May 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

DENVER ACQUISITION AND LOGISTICS CENTER
 555 CORPORATE CIRCLE
 GOLDEN, CO
 US 80401
 Contact:

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)

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F: