



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
KAESER SX 6 2981245 (S/N 3305)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-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		KCPA010786	KCP25127	KCP08220
Sample Date		Client Info		21 Nov 2023	15 Apr 2020	04 Jan 2019
Machine Age	hrs	Client Info		1605	426	3822
Oil Age	hrs	Client Info		0	425	0
Filter Age	hrs	Client Info		0	425	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	1	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	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	0	<1	<1
Copper	ppm	ASTM D5185m	>50	7	8	16
Tin	ppm	ASTM D5185m	>10	0	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

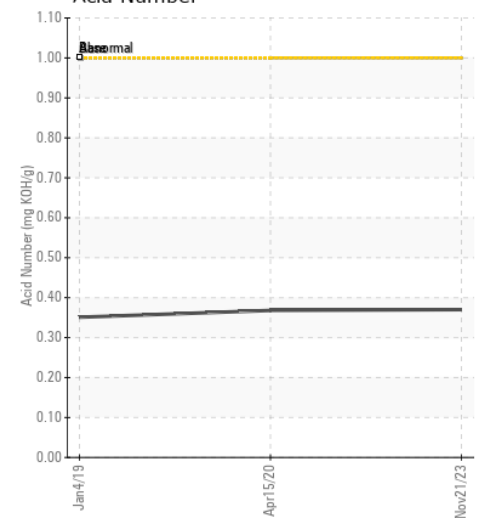
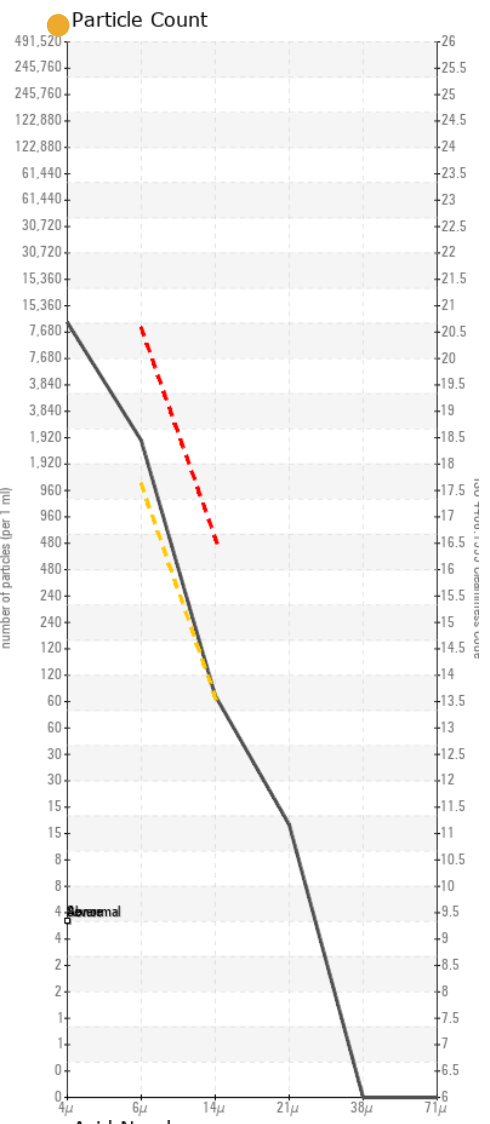
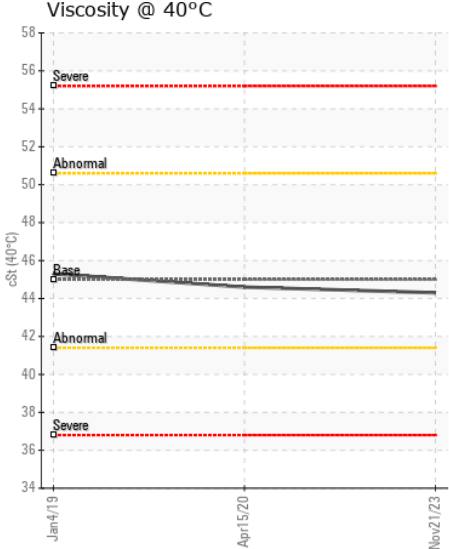
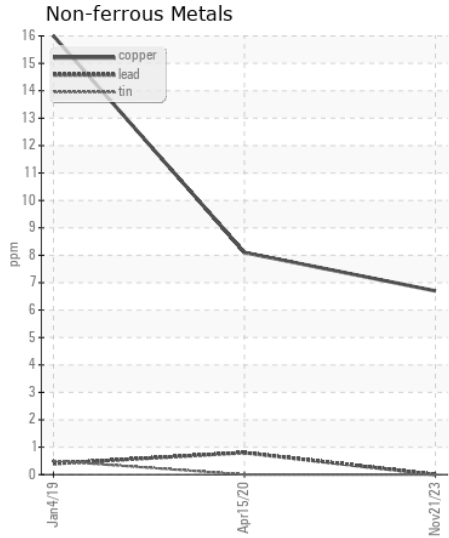
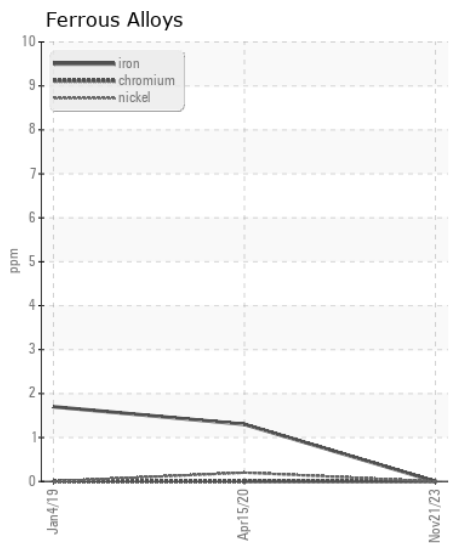
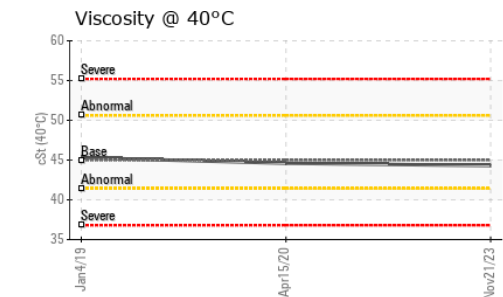
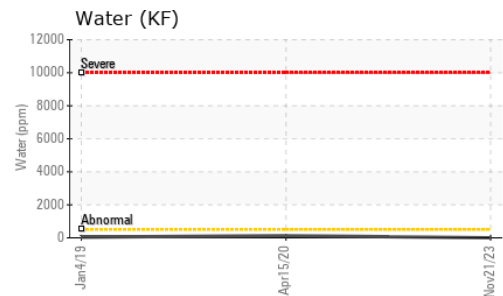
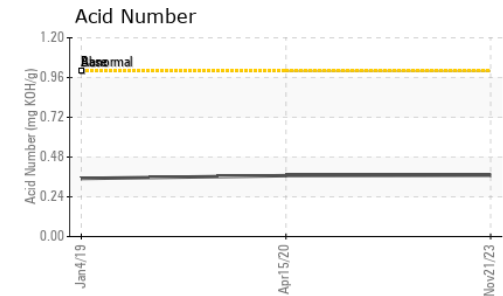
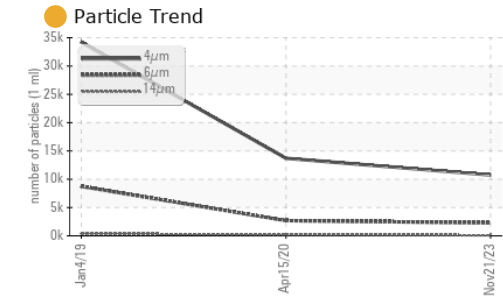
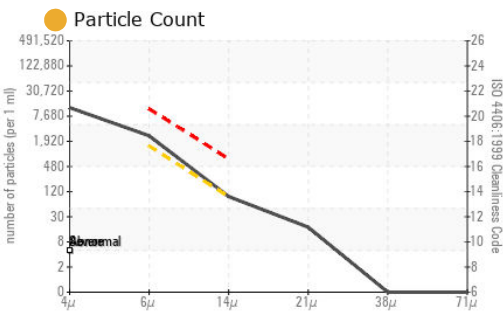
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water	%	ASTM D6304	>0.05	0.00	0.013	0.004
ppm Water	ppm	ASTM D6304	>500	0	134.5	40
Particles >4µm		ASTM D7647		10736	13702	34210
Particles >6µm		ASTM D7647	>1300	2283	2684	8744
Particles >14µm		ASTM D7647	>80	81	223	362
Particles >21µm		ASTM D7647	>20	15	59	65
Particles >38µm		ASTM D7647	>4	0	4	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	---/17/13	21/18/14	19/15	20/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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		11	14	13
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	90	22	13	4
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	100	77	82	47
Calcium	ppm	ASTM D5185m	0	<1	2	0
Phosphorus	ppm	ASTM D5185m	0	2	0	0
Zinc	ppm	ASTM D5185m	0	0	20	31
Sulfur	ppm	ASTM D5185m	23500	17054	17924	15325
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.37	0.368	0.351
Visc @ 40°C	cSt	ASTM D445	45	44.3	44.6	45.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA010786 **Received** : 06 Dec 2023
Lab Number : 06026425 **Tested** : 07 Dec 2023
Unique Number : 10776216 **Diagnosed** : 07 Dec 2023 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

GULLEY METAL
 2895 S RARITAN ST
 ENGLEWOOD, CO
 US 80110
 Contact: Service Manager

Certificate L2367
 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)