



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER 7337543
 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		KCPA007807	KCPA004492	KCP52264
Sample Date		Client Info		04 Oct 2023	21 Jul 2023	18 May 2023
Machine Age	hrs	Client Info		10125	9357	8141
Oil Age	hrs	Client Info		0	0	1100
Filter Age	hrs	Client Info		0	0	1100
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

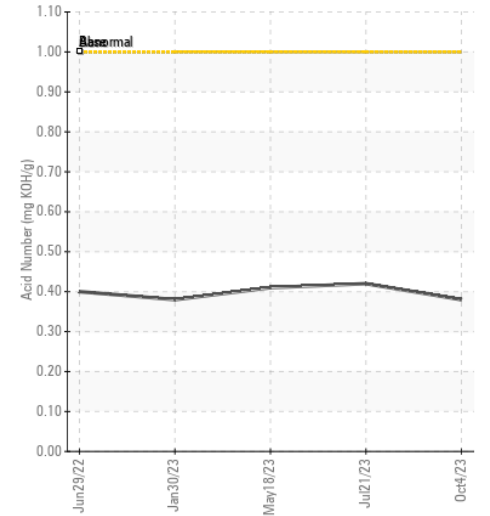
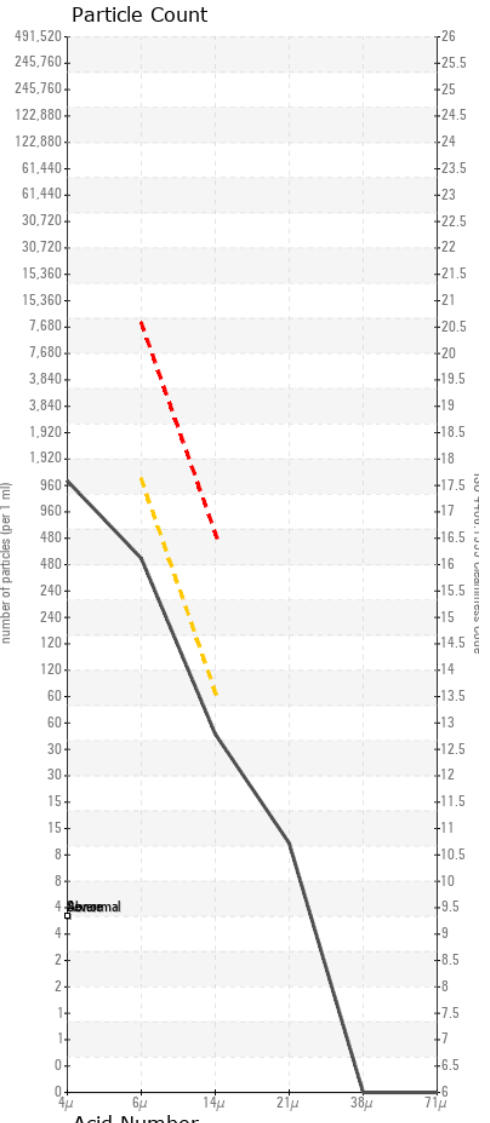
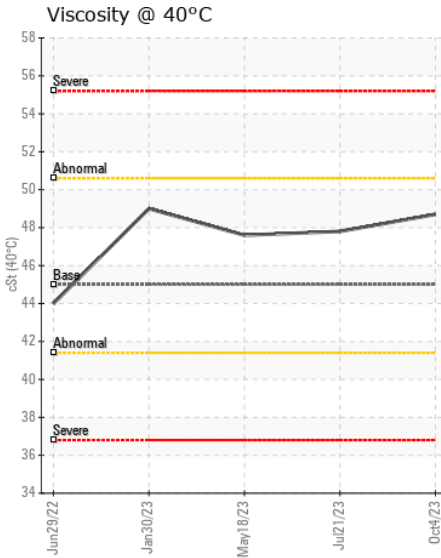
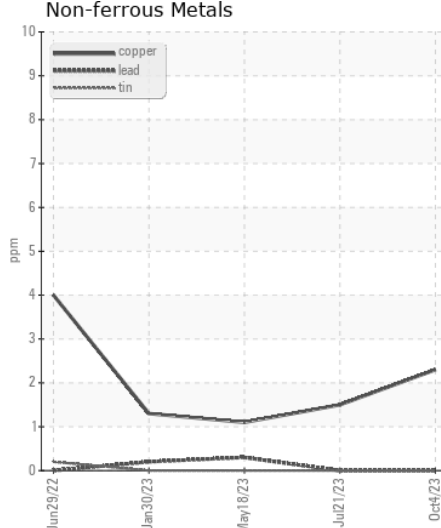
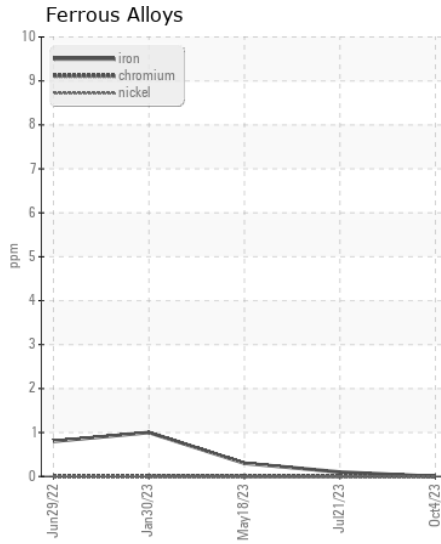
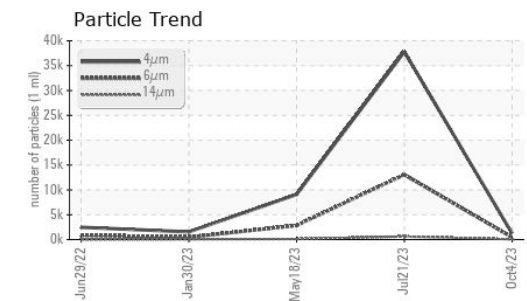
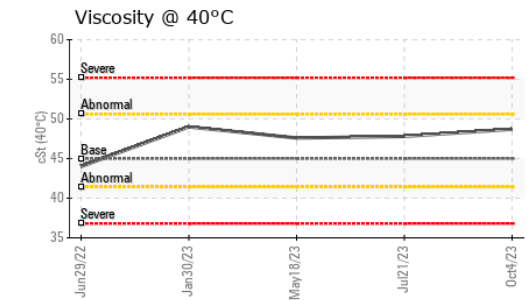
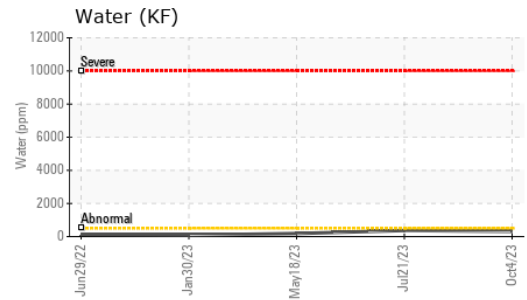
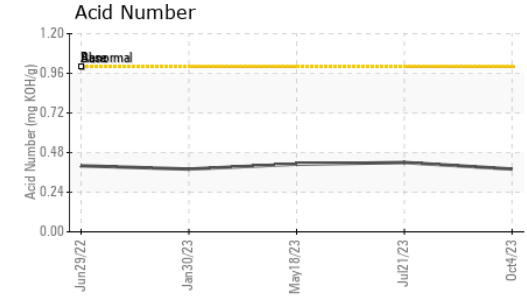
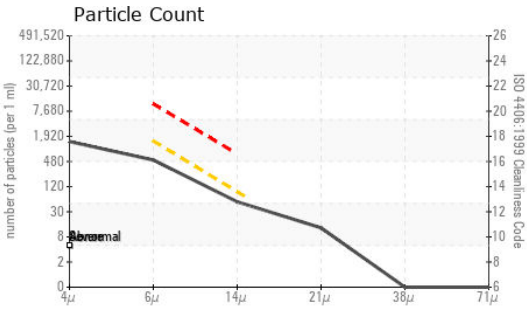
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	0	<1	0
Potassium	ppm	ASTM D5185m	>20	2	4	3
Water	%	ASTM D6304	>0.05	0.030	0.036	0.018
ppm Water	ppm	ASTM D6304	>500	305.1	368.5	184.7
Particles >4µm		ASTM D7647		1263	37781	9079
Particles >6µm		ASTM D7647	>1300	458	▲ 13057	▲ 2837
Particles >14µm		ASTM D7647	>80	46	▲ 617	▲ 107
Particles >21µm		ASTM D7647	>20	11	▲ 115	11
Particles >38µm		ASTM D7647	>4	0	3	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	≤-/17/13	17/16/13	▲ 22/21/16	▲ 20/19/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
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		9	3	9
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	21	43	73
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	67	75	86
Calcium	ppm	ASTM D5185m	0	0	0	2
Phosphorus	ppm	ASTM D5185m	0	1	0	2
Zinc	ppm	ASTM D5185m	0	0	0	4
Sulfur	ppm	ASTM D5185m	23500	19201	22682	21341
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.38	0.42	0.41
Visc @ 40°C	cSt	ASTM D445	45	48.7	47.8	47.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA007807 **Received** : 18 Oct 2023
Lab Number : 05982382 **Diagnosed** : 20 Oct 2023
Unique Number : 10699677 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: KF, PrtCount)

AMAZON.COM SERVICES
 4222 INTERGRATIONS LOOP
 COLORADO SPRINGS, CO
 US 80916
 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: