



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER ASD 40 5006351 (S/N 1249)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. We were unable to perform a particle count due to a high concentration of particles present in this sample. 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCP60741	KCP53553	KCP41171
Sample Date		Client Info		20 Sep 2023	04 Apr 2023	08 Mar 2022
Machine Age	hrs	Client Info		35266	33896	30451
Oil Age	hrs	Client Info		1370	3500	3424
Filter Age	hrs	Client Info		1370	3500	3424
Oil Changed		Client Info		Not Chngd	Changed	Changed
Filter Changed		Client Info		Not Chngd	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	28	4	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>50	16	10	10
Tin	ppm	ASTM D5185m	>10	<1	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

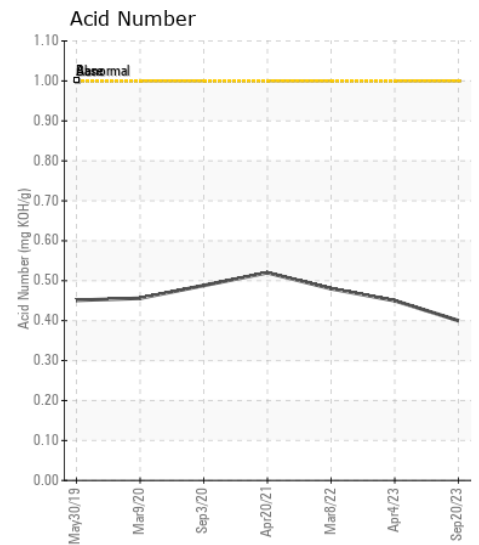
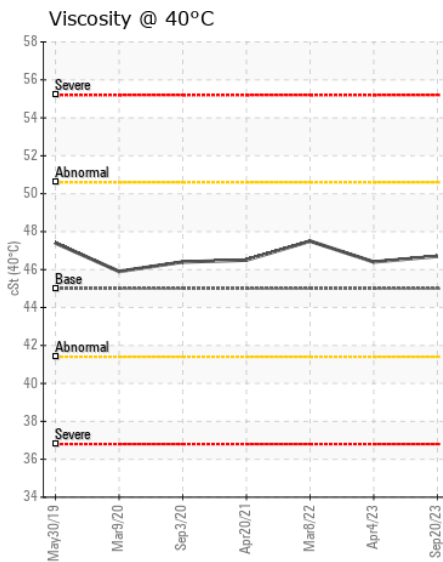
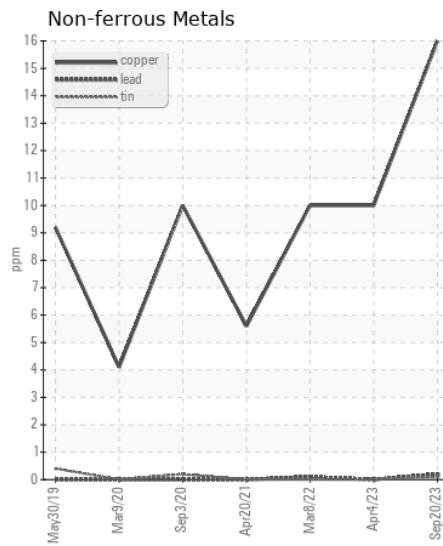
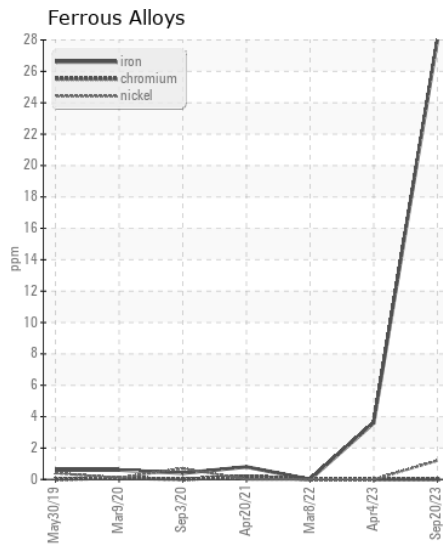
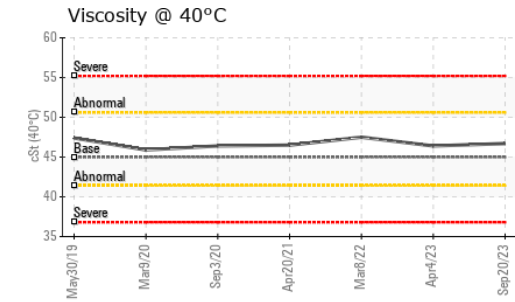
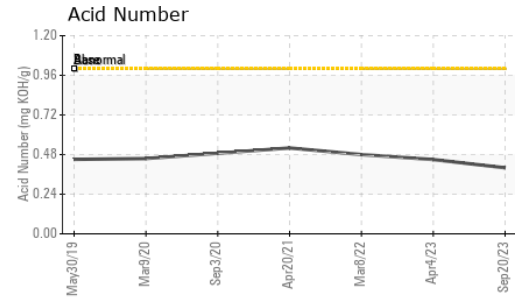
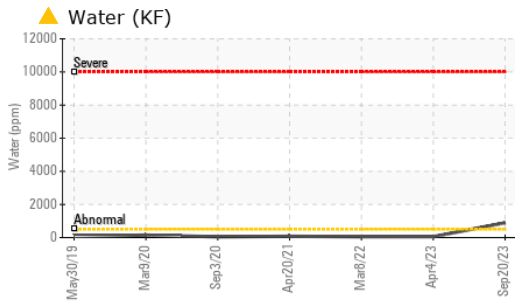
High concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>25	1	0	<1
Potassium	ppm	ASTM D5185m	>20	5	0	<1
Water	%	ASTM D6304	>0.05	▲ 0.089	0.005	0.005
ppm Water	ppm	ASTM D6304	>500	▲ 894.2	54.0	52.5
Particles >4µm		ASTM D7647		---	8018	4481
Particles >6µm		ASTM D7647	>1300	---	▲ 1668	937
Particles >14µm		ASTM D7647	>80	---	▲ 87	56
Particles >21µm		ASTM D7647	>20	---	20	12
Particles >38µm		ASTM D7647	>4	---	1	0
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>-/17/13	---	▲ 20/18/14	17/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ HEAVY	NONE	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.

Sodium	ppm	ASTM D5185m		10	0	0
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	25	0	0
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	0	<1	0	4
Zinc	ppm	ASTM D5185m	0	163	70	18
Sulfur	ppm	ASTM D5185m	23500	22692	25056	15418
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.40	0.45	0.48
Visc @ 40°C	cSt	ASTM D445	45	46.7	46.4	47.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP60741 **Received** : 06 Oct 2023
Lab Number : 05971448 **Diagnosed** : 10 Oct 2023
Unique Number : 10683398 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

CODI MFG
 14352 W 44TH AVE
 GOLDEN, CO
 US 80403
 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: