



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER ASD 30T 4574809 (S/N 1117)
 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		KCP40312	KCP40458D	KCP43473
Sample Date		Client Info		07 Feb 2024	09 Jan 2023	01 Mar 2022
Machine Age	hrs	Client Info		56925	54382	51095
Oil Age	hrs	Client Info		2543	3287	0
Filter Age	hrs	Client Info		2543	3287	2288
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

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	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	2	5	4
Tin	ppm	ASTM D5185m	>10	0	<1	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

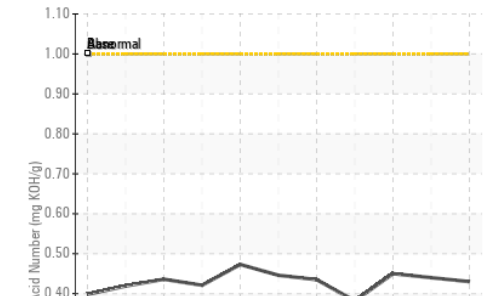
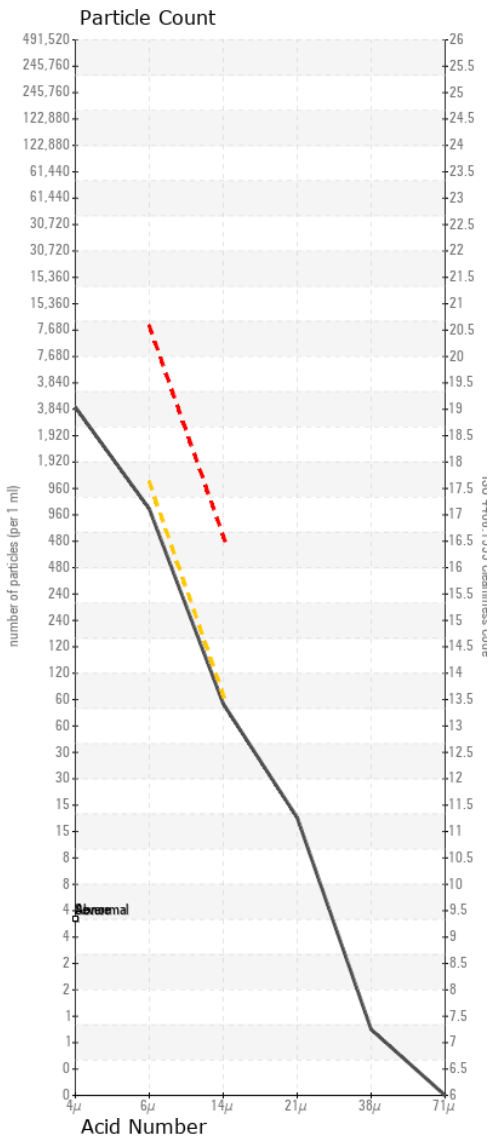
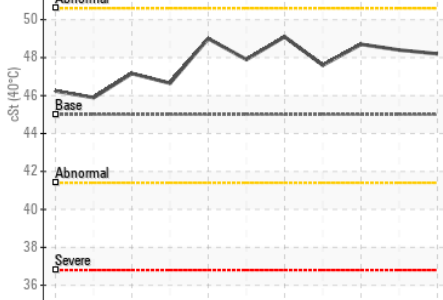
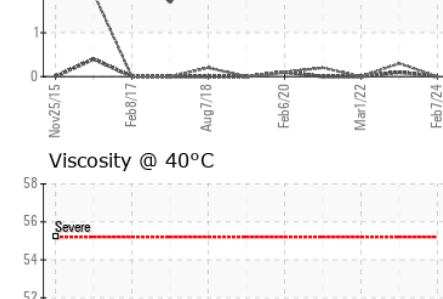
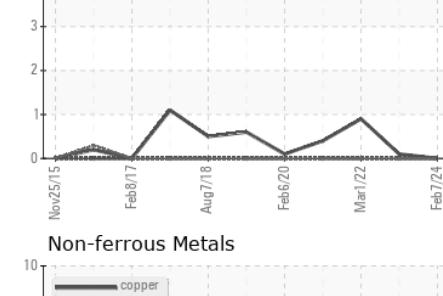
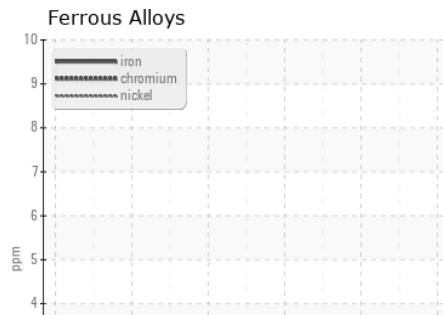
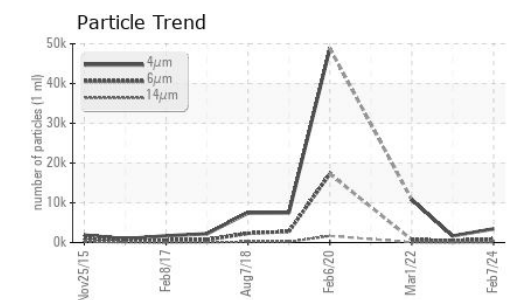
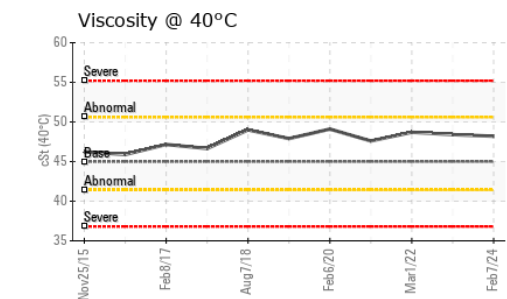
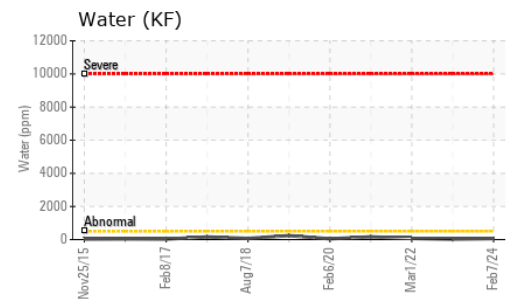
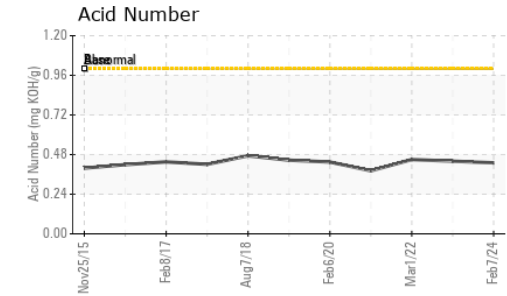
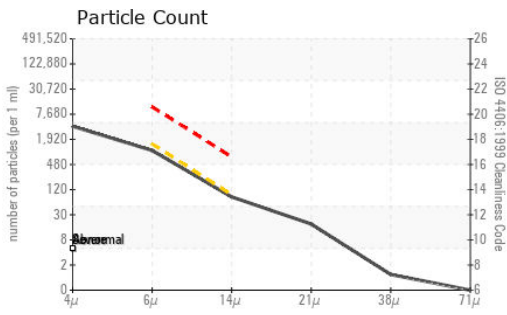
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water	%	ASTM D6304	>0.05	0.006	0.002	0.007
ppm Water	ppm	ASTM D6304	>500	60	20.4	71.1
Particles >4µm		ASTM D7647		3446	1662	10807
Particles >6µm		ASTM D7647	>1300	910	462	709
Particles >14µm		ASTM D7647	>80	71	32	69
Particles >21µm		ASTM D7647	>20	16	10	14
Particles >38µm		ASTM D7647	>4	1	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	---/17/13	19/17/13	18/16/12	17/13
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		<1	0	16
Boron	ppm	ASTM D5185m	0	0	0	1
Barium	ppm	ASTM D5185m	90	0	0	6
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	0	0	30
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	0	0	25	2
Zinc	ppm	ASTM D5185m	0	5	2	7
Sulfur	ppm	ASTM D5185m	23500	19931	22668	17102
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.43	0.44	0.45
Visc @ 40°C	cSt	ASTM D445	45	48.2	48.4	48.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP40312
Lab Number : 06088763
Unique Number : 10876208
Test Package : IND 2 (Additional Tests: KF, PrtCount)

Received : 14 Feb 2024
Tested : 15 Feb 2024
Diagnosed : 15 Feb 2024 - Don Baldrige

KIOSK INFORMATION SYSTEMS
 346 S AUTHOR AVE
 LOUISVILLE, CO
 US 80027
 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)

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F: