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OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER AS 25T 3722170 (S/N 1541)
 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		KCP47443D	KCP40485D	KCP43469
Sample Date		Client Info		07 Feb 2024	09 Jan 2023	01 Mar 2022
Machine Age	hrs	Client Info		42431	39943	39329
Oil Age	hrs	Client Info		3192	704	1217
Filter Age	hrs	Client Info		3192	704	1217
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION

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	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	0	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	<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

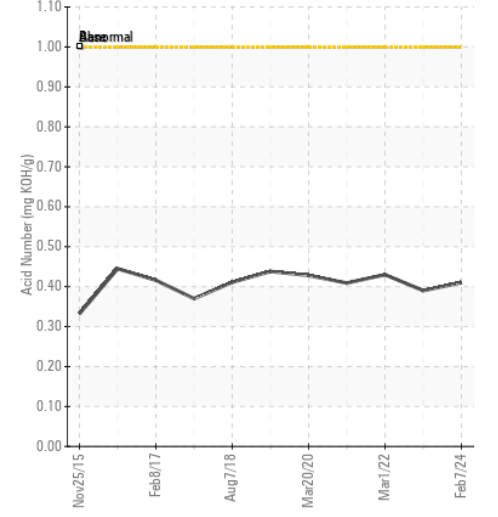
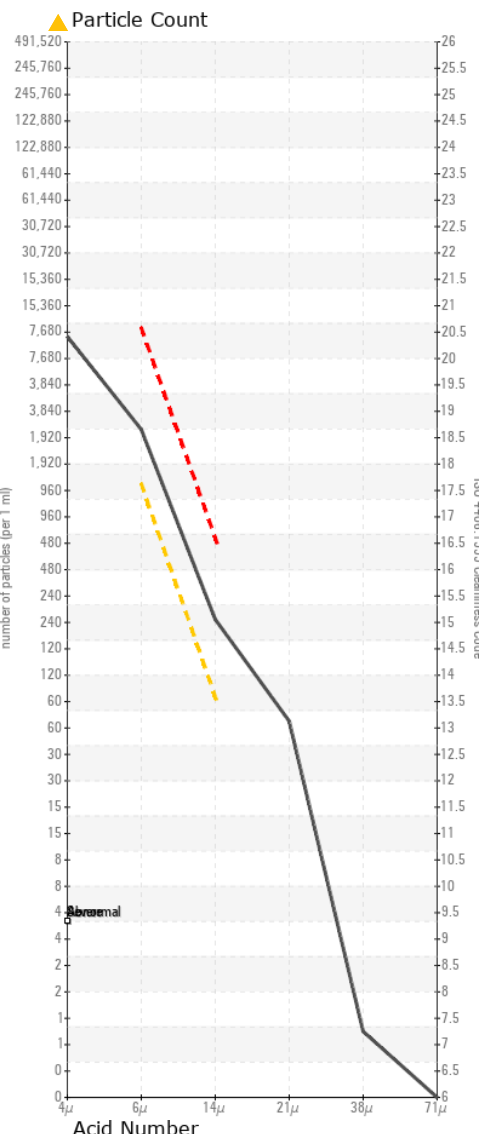
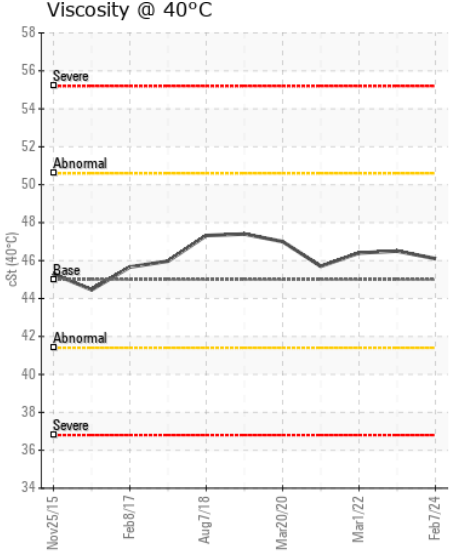
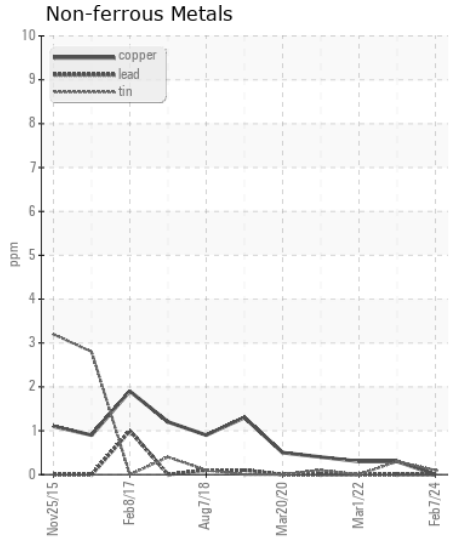
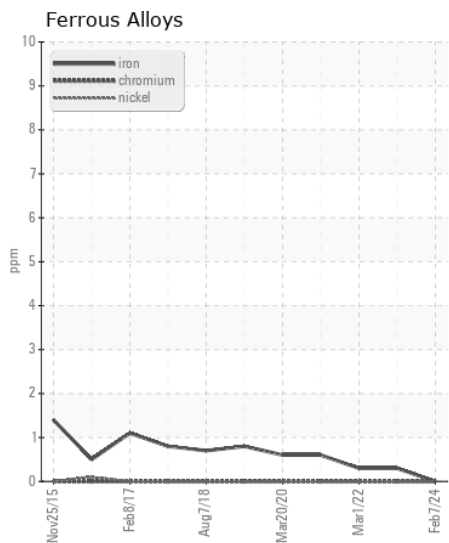
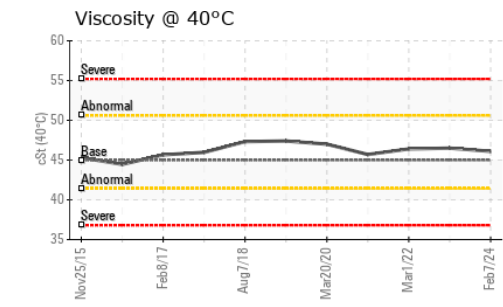
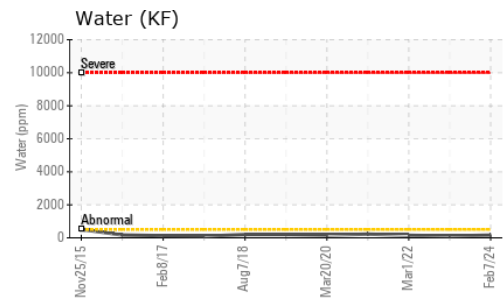
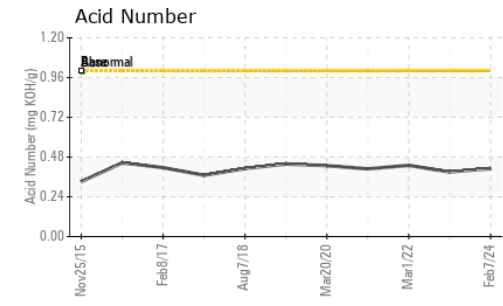
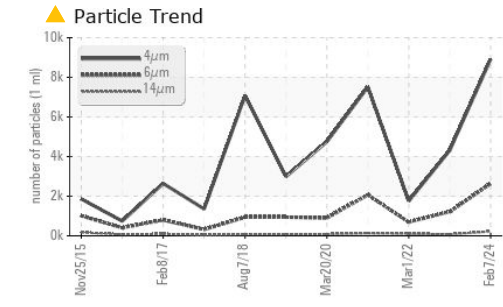
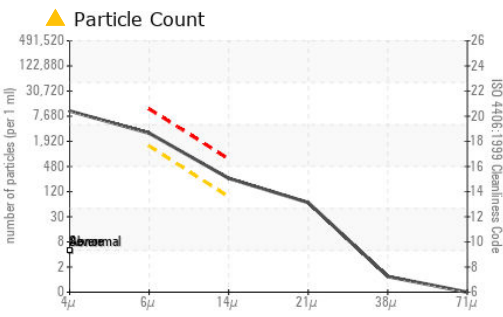
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	2	2
Water	%	ASTM D6304	>0.05	0.016	0.011	0.015
ppm Water	ppm	ASTM D6304	>500	163	113.5	152.6
Particles >4µm		ASTM D7647		8910	4310	1760
Particles >6µm		ASTM D7647	>1300	▲ 2640	1216	691
Particles >14µm		ASTM D7647	>80	▲ 220	77	● 101
Particles >21µm		ASTM D7647	>20	▲ 58	24	17
Particles >38µm		ASTM D7647	>4	1	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/13	▲ 19/15	17/13	● 17/14
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		5	18	27
Boron	ppm	ASTM D5185m	0	0	0	1
Barium	ppm	ASTM D5185m	90	54	77	38
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	71	91	99
Calcium	ppm	ASTM D5185m	0	<1	0	2
Phosphorus	ppm	ASTM D5185m	0	0	26	1
Zinc	ppm	ASTM D5185m	0	<1	2	1
Sulfur	ppm	ASTM D5185m	23500	20010	22227	16791
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.41	0.39	0.43
Visc @ 40°C	cSt	ASTM D445	45	46.1	46.5	46.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP47443D **Received** : 14 Feb 2024
Lab Number : 06088761 **Tested** : 15 Feb 2024
Unique Number : 10876206 **Diagnosed** : 15 Feb 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

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