



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER ASD 30 2695314 (S/N 1169)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) FG-460 (--- GAL)

RECOMMENDATION

Oil and 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		KCPA013384	KCP48706	KCP30072
Sample Date		Client Info		03 May 2024	03 Feb 2022	05 Apr 2021
Machine Age	hrs	Client Info		26661	23863	20962
Oil Age	hrs	Client Info		0	1245	2158
Filter Age	hrs	Client Info		0	1245	2158
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	16	20	13
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	1	2	0
Lead	ppm	ASTM D5185m	>10	<1	0	<1
Copper	ppm	ASTM D5185m	>50	6	5	4
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

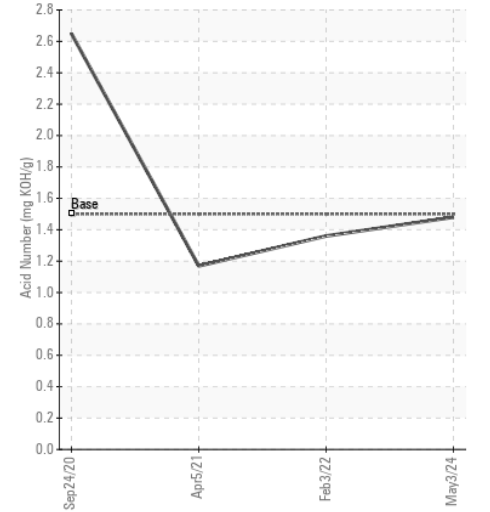
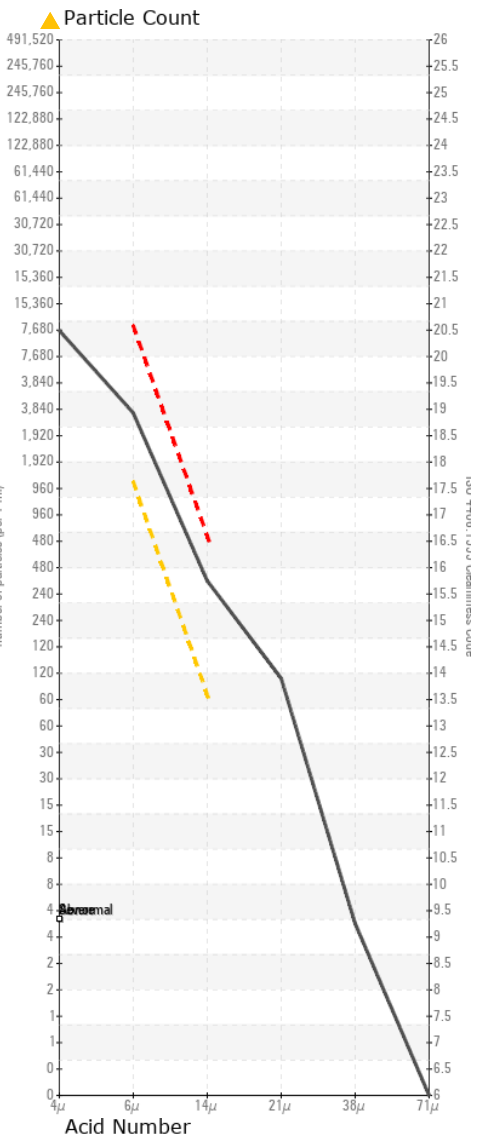
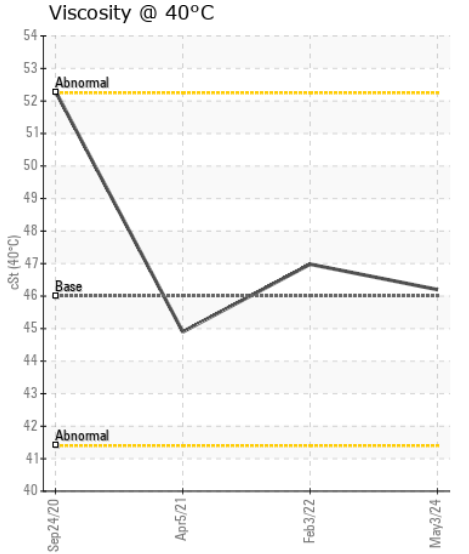
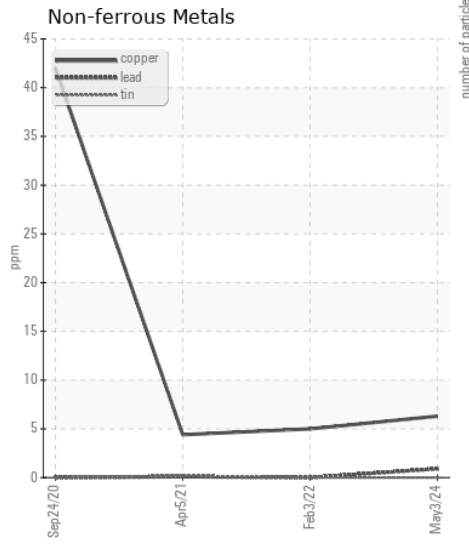
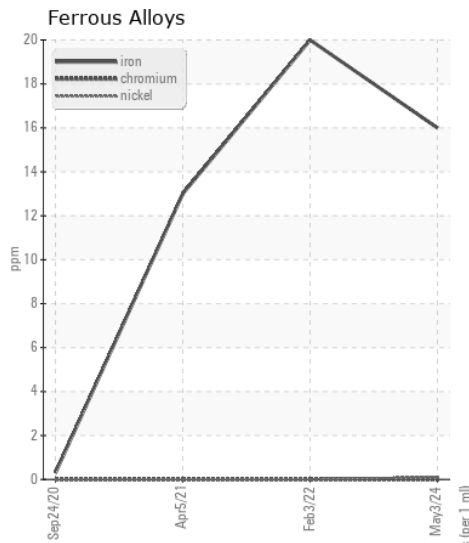
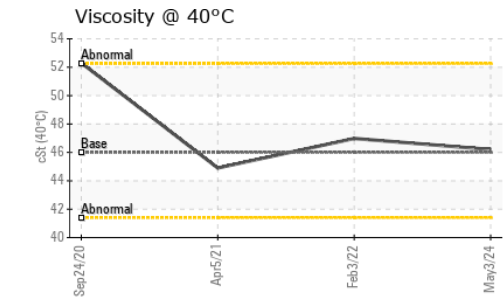
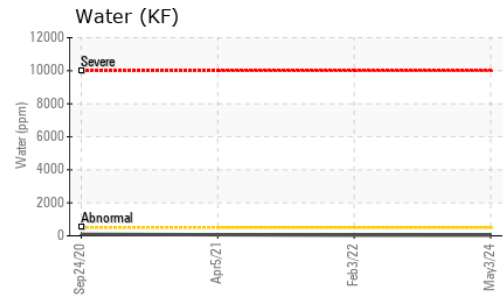
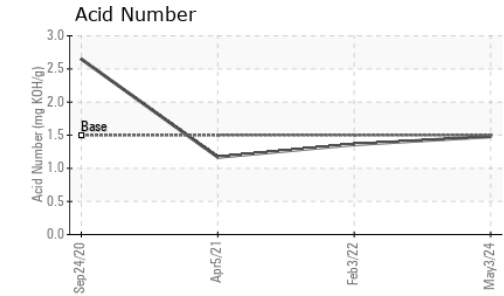
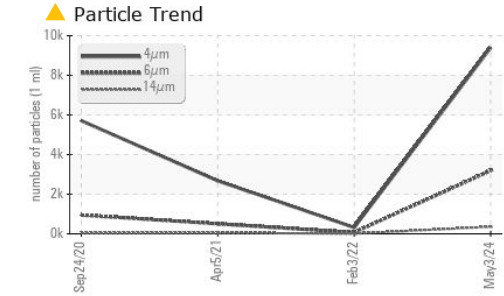
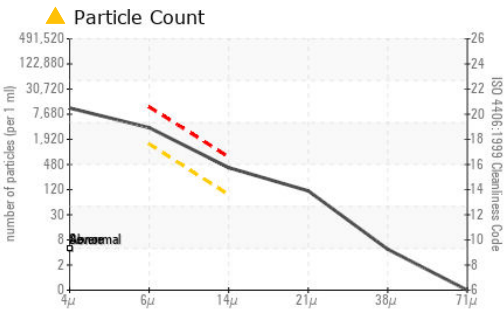
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.05	0.003	0.003	0.006
ppm Water	ppm	ASTM D6304	>500	33	38.1	64.5
Particles >4µm		ASTM D7647		9389	318	2675
Particles >6µm		ASTM D7647	>1300	▲ 3191	65	506
Particles >14µm		ASTM D7647	>80	▲ 355	6	48
Particles >21µm		ASTM D7647	>20	▲ 99	2	16
Particles >38µm		ASTM D7647	>4	4	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	≥-/17/13	▲ 20/19/16	13/10	16/13
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	<1	0
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		<1	0	1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	433	448	333
Zinc	ppm	ASTM D5185m		249	261	209
Sulfur	ppm	ASTM D5185m		2577	1399	1667
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	1.48	1.36	1.169
Visc @ 40°C	cSt	ASTM D445	46	46.2	46.98	44.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA013384 **Received** : 21 May 2024
Lab Number : 06186708 **Tested** : 23 May 2024
Unique Number : 11043460 **Diagnosed** : 23 May 2024 - Angela Borella
Test Package : IND 2 (Additional Tests: KF, PrtCount)

ALTUM PACKAGING
 3865 GRAPE ST
 DENVER, CO
 US 80207
 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: