



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER AS 30 5221590 (S/N 1100)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) FG-460 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KCPA010731	KCP45277	KCP41842
Sample Date		Client Info		22 Nov 2023	25 May 2022	19 Jul 2021
Machine Age	hrs	Client Info		28468	27198	26155
Oil Age	hrs	Client Info		0	818	433
Filter Age	hrs	Client Info		0	818	433
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	7	2	4
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	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	1	10
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	6	6	5
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

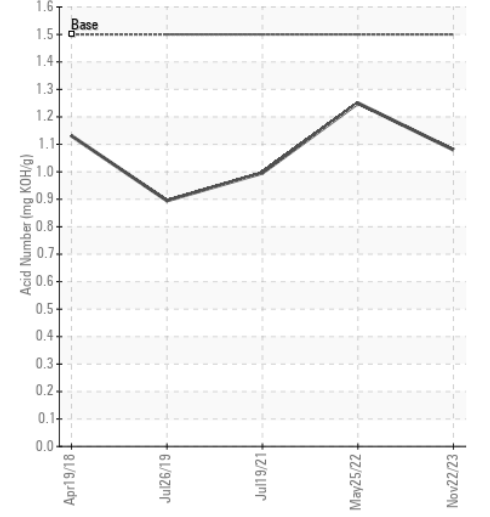
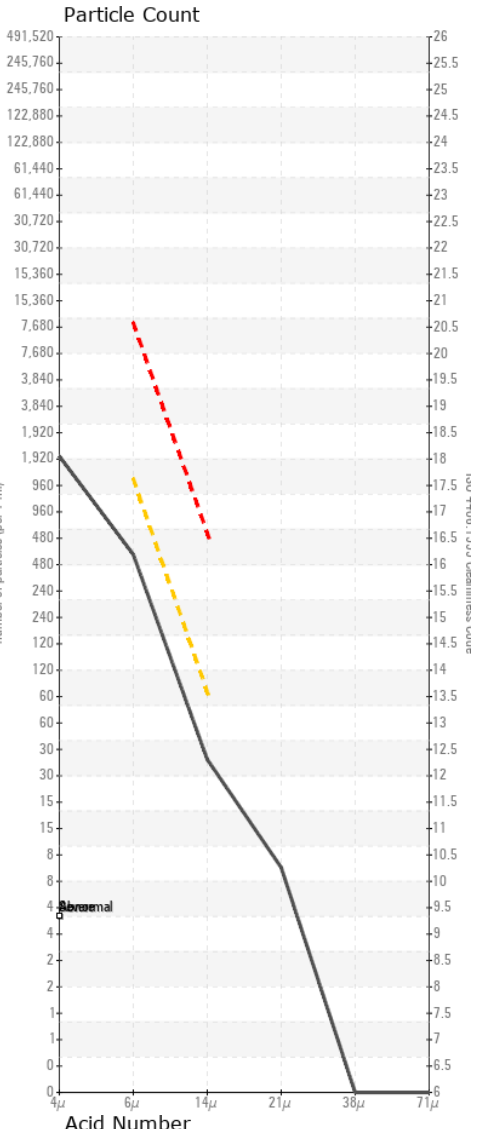
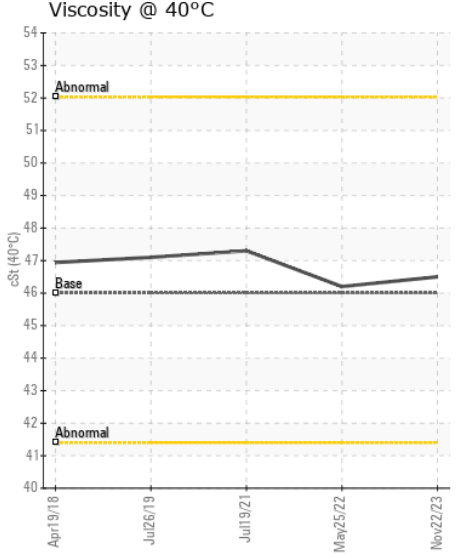
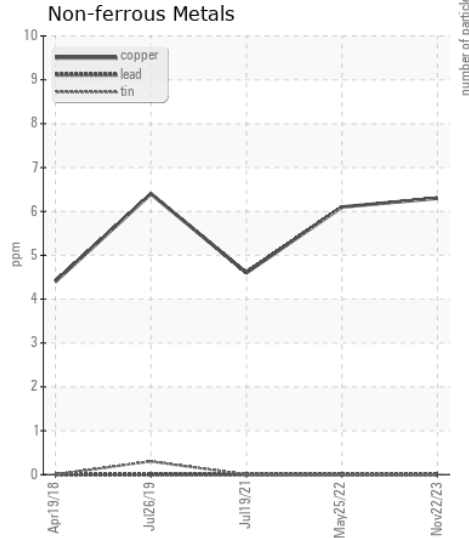
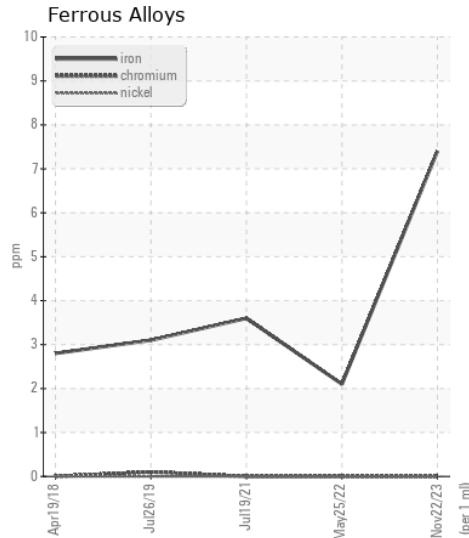
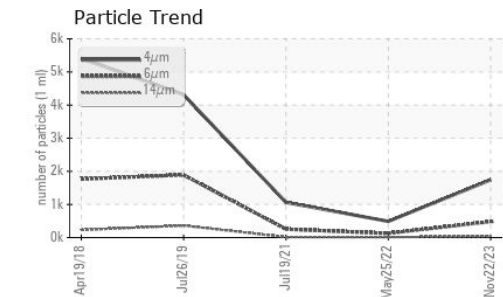
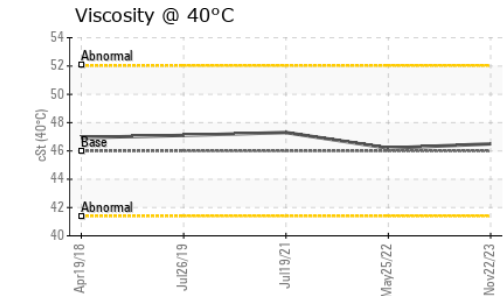
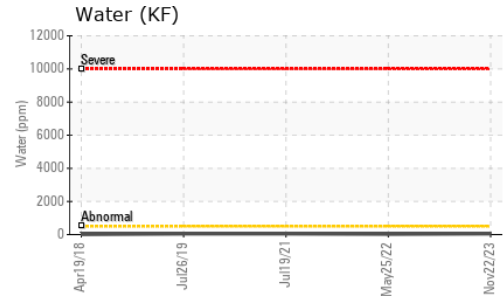
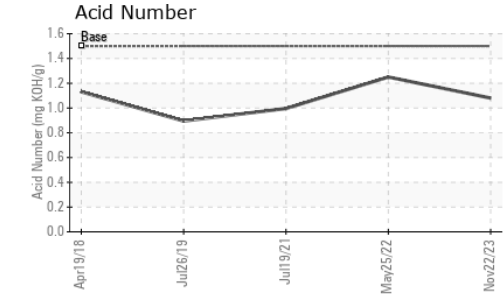
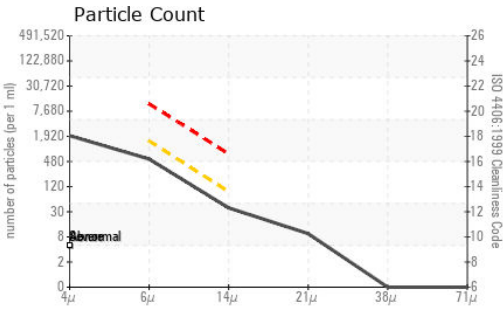
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.05	0.004	0.002	0.004
ppm Water	ppm	ASTM D6304	>500	47	19.9	43.6
Particles >4µm		ASTM D7647		1744	489	1064
Particles >6µm		ASTM D7647	>1300	482	127	254
Particles >14µm		ASTM D7647	>80	33	11	14
Particles >21µm		ASTM D7647	>20	8	1	3
Particles >38µm		ASTM D7647	>4	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	---/17/13	18/16/12	16/14/11	15/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	<1
Boron	ppm	ASTM D5185m		0	<1	<1
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		0	2	<1
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	431	456	415
Zinc	ppm	ASTM D5185m		257	219	247
Sulfur	ppm	ASTM D5185m		1563	1666	1354
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	1.08	1.25	0.996
Visc @ 40°C	cSt	ASTM D445	46	46.5	46.2	47.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA010731 **Received** : 06 Dec 2023
Lab Number : 06026426 **Tested** : 07 Dec 2023
Unique Number : 10776217 **Diagnosed** : 07 Dec 2023 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

ORALABS
 18685 E. PLAZA DR.
 PARKER, CO
 US 80134
 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: