



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER ASD 30 2228719 (S/N 1085)
 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		KCPA010777	KCPA004110	KCP55960
Sample Date		Client Info		21 Nov 2023	20 Jul 2023	14 Feb 2023
Machine Age	hrs	Client Info		121452	118477	116225
Oil Age	hrs	Client Info		0	0	8624
Filter Age	hrs	Client Info		0	0	8624
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	0	0
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	9	6	6
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	1	2	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

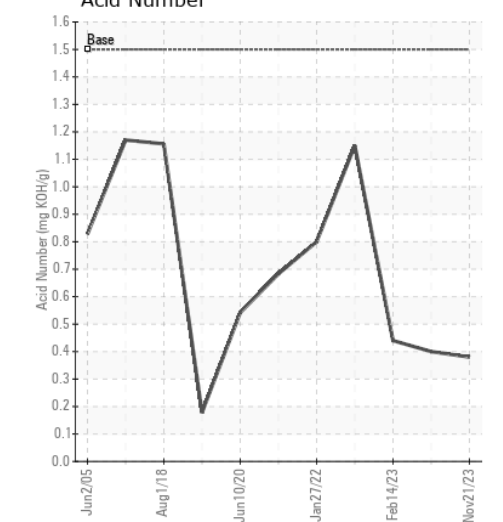
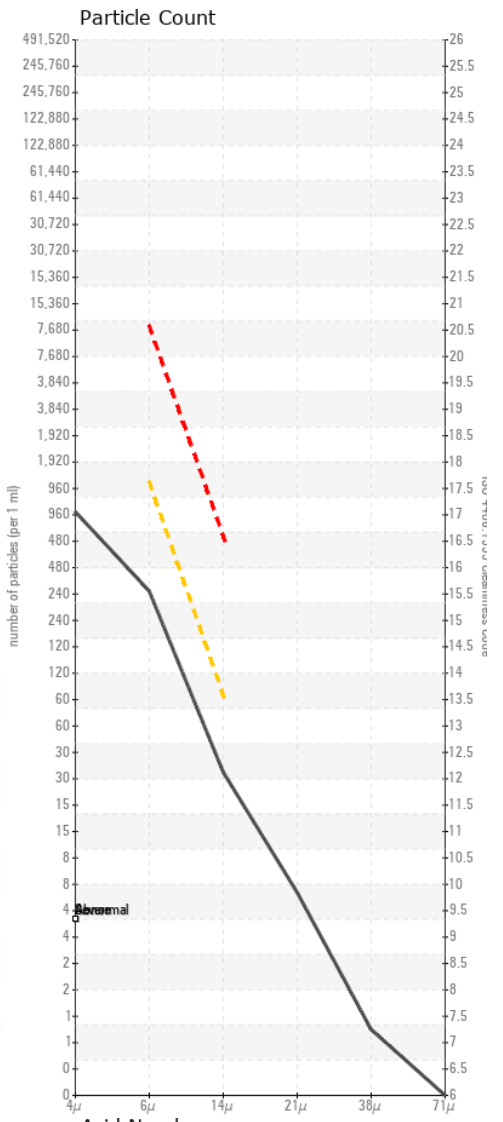
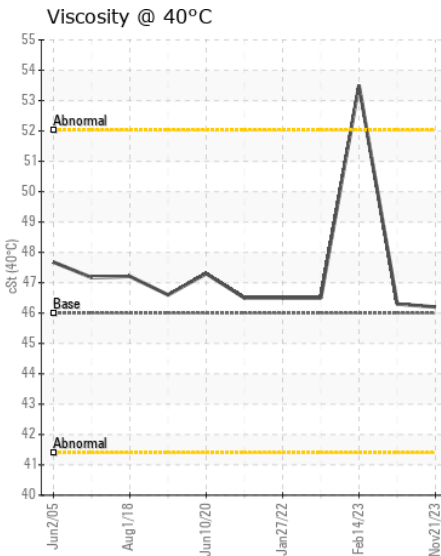
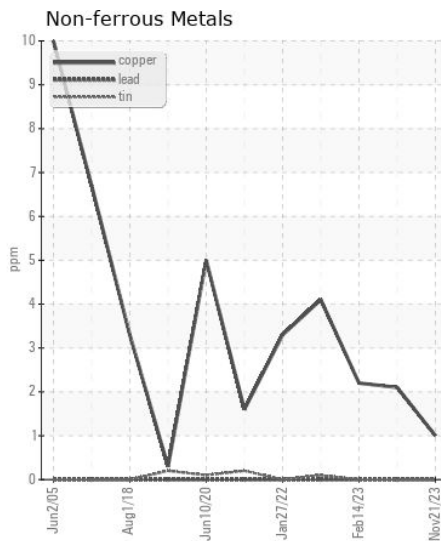
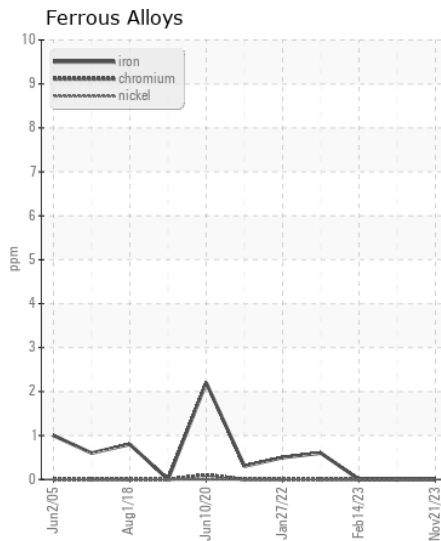
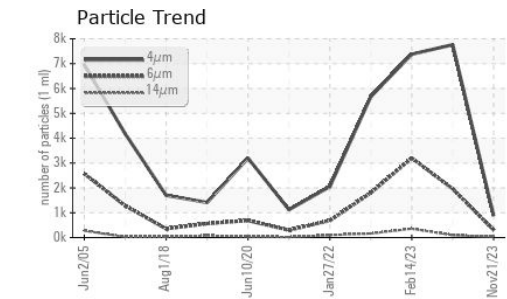
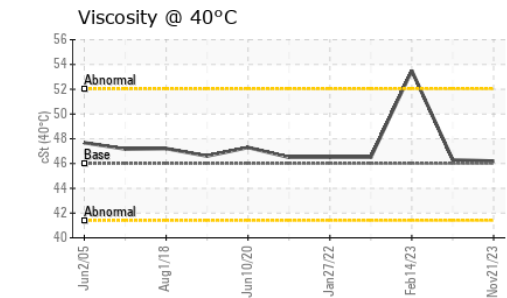
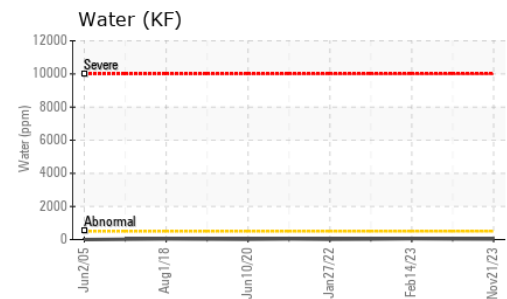
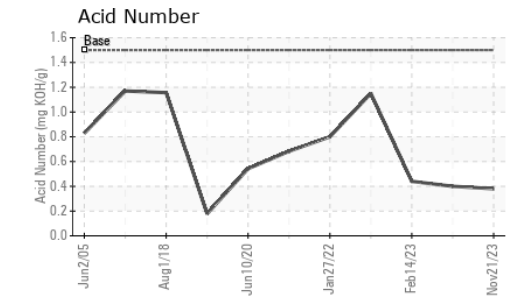
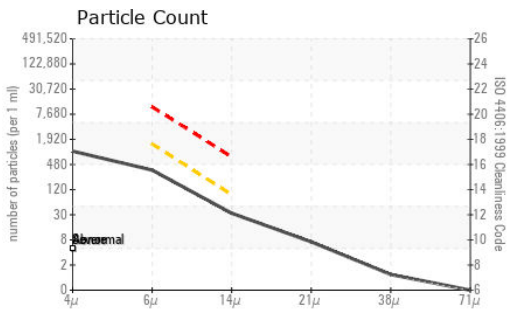
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.05	0.003	0.003	0.005
ppm Water	ppm	ASTM D6304	>500	27	35.4	52.4
Particles >4µm		ASTM D7647		876	7763	7378
Particles >6µm		ASTM D7647	>1300	310	1963	3203
Particles >14µm		ASTM D7647	>80	29	97	356
Particles >21µm		ASTM D7647	>20	6	26	66
Particles >38µm		ASTM D7647	>4	1	1	3
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	~-/17/13	17/15/12	20/18/14	20/19/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	0	1
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	0	7
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	500	108	118	141
Zinc	ppm	ASTM D5185m		19	53	83
Sulfur	ppm	ASTM D5185m		1443	1384	1619
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.38	0.40	0.44
Visc @ 40°C	cSt	ASTM D445	46	46.2	46.3	53.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA010777
Lab Number : 06026432
Unique Number : 10776223
Test Package : IND 2 (Additional Tests: KF, PrtCount)

Received : 06 Dec 2023
Tested : 07 Dec 2023
Diagnosed : 07 Dec 2023 - Don Baldrige

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: