



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER BSD 60T 6090053 (S/N 1158)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The 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		KCPA011819	KCP55458	KCP49517
Sample Date		Client Info		27 Nov 2023	11 May 2023	19 Jul 2022
Machine Age	hrs	Client Info		26973	24614	21024
Oil Age	hrs	Client Info		0	3000	2401
Filter Age	hrs	Client Info		0	3000	2401
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

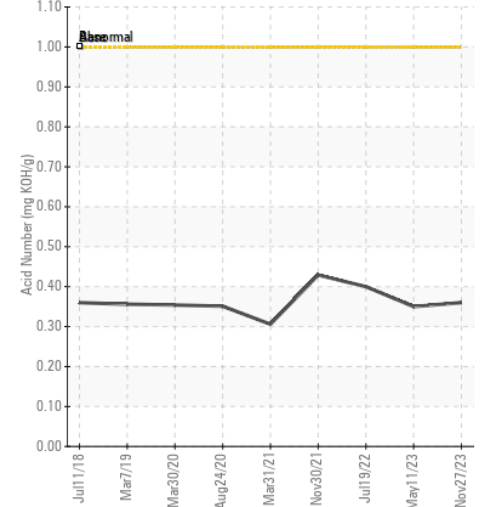
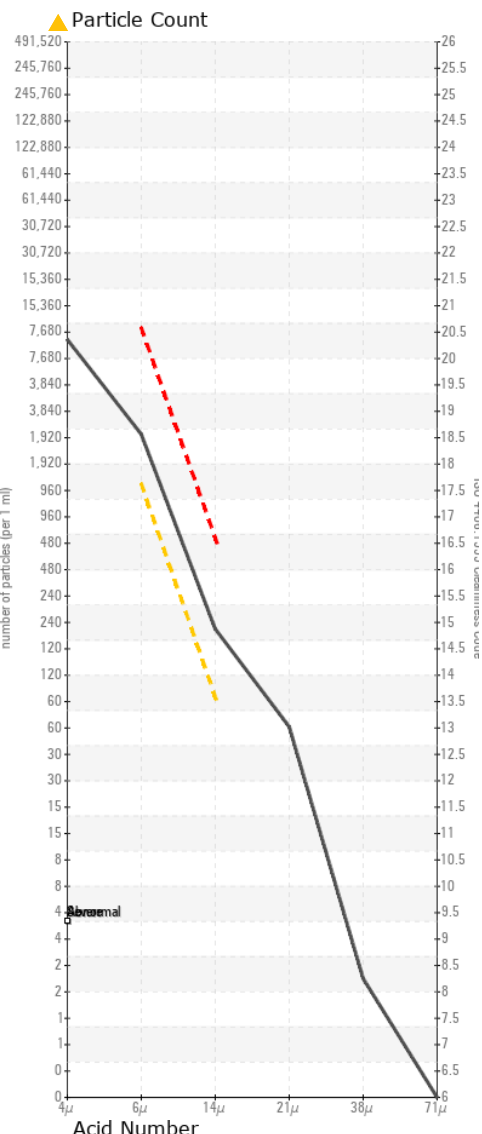
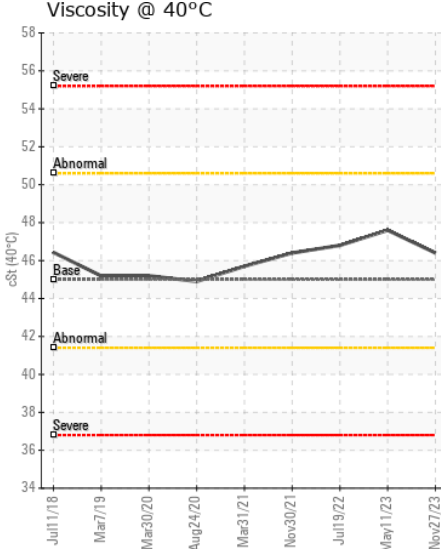
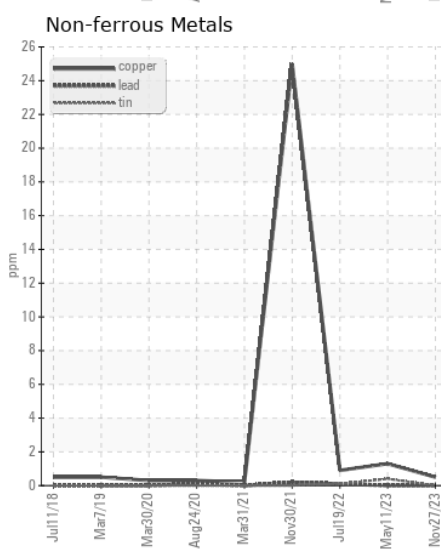
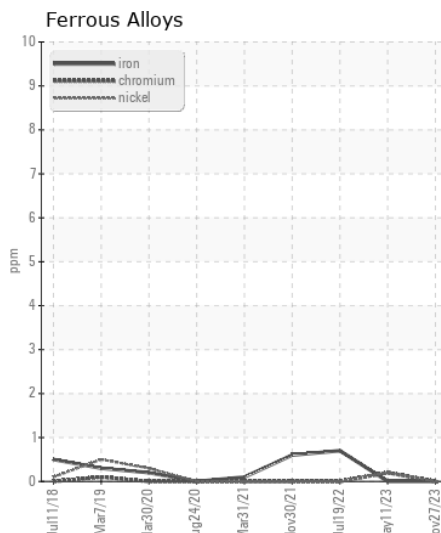
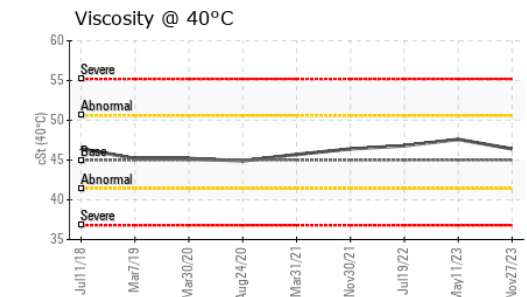
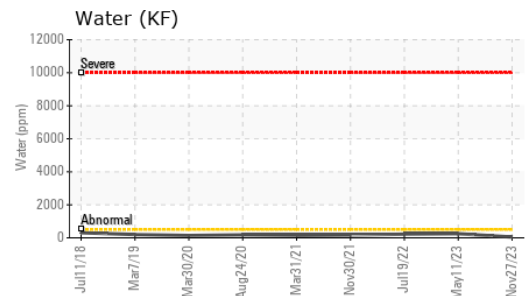
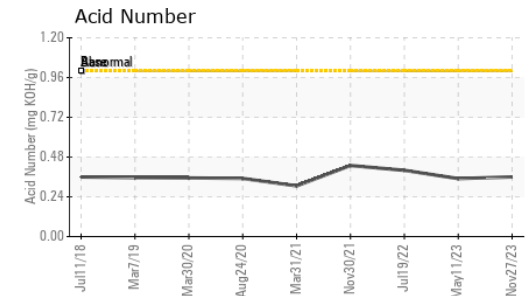
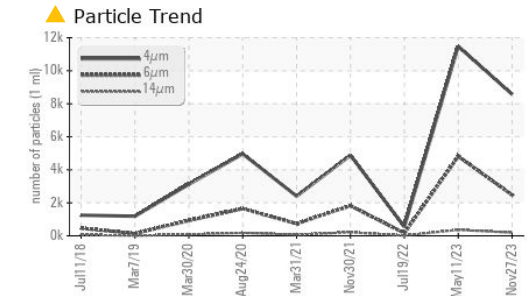
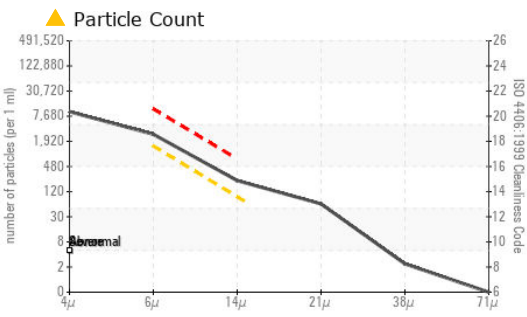
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	4	4
Water	%	ASTM D6304	>0.05	0.004	0.025	0.021
ppm Water	ppm	ASTM D6304	>500	47	250.2	219.8
Particles >4µm		ASTM D7647		8574	11480	553
Particles >6µm		ASTM D7647	>1300	▲ 2479	▲ 4813	164
Particles >14µm		ASTM D7647	>80	▲ 194	▲ 360	13
Particles >21µm		ASTM D7647	>20	▲ 54	▲ 59	2
Particles >38µm		ASTM D7647	>4	2	4	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	:-/17/13	▲ 20/18/15	▲ 21/19/16	16/15/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	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		13	17	11
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	53	60	31
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	79	96	85
Calcium	ppm	ASTM D5185m	0	3	0	0
Phosphorus	ppm	ASTM D5185m	0	2	0	0
Zinc	ppm	ASTM D5185m	0	0	5	0
Sulfur	ppm	ASTM D5185m	23500	17886	22691	19825
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.36	0.35	0.40
Visc @ 40°C	cSt	ASTM D445	45	46.4	47.6	46.8



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA011819 **Received** : 06 Dec 2023
Lab Number : 06026438 **Diagnosed** : 07 Dec 2023
Unique Number : 10776229 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

AMAZON DEN2
 22205 E 19TH AVE
 AURORA, CO
 US 80019
 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: