



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
KAESER BSD 50 5253975 (S/N 1337)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

RECOMMENDATION

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		KCPA003631	KCP60800	---
Sample Date		Client Info		31 Aug 2023	25 Aug 2017	---
Machine Age	hrs	Client Info		36668	7853	---
Oil Age	hrs	Client Info		0	3655	---
Filter Age	hrs	Client Info		0	3655	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

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

CONTAMINATION

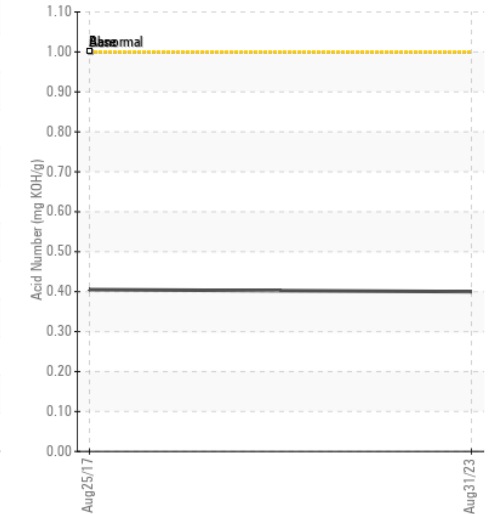
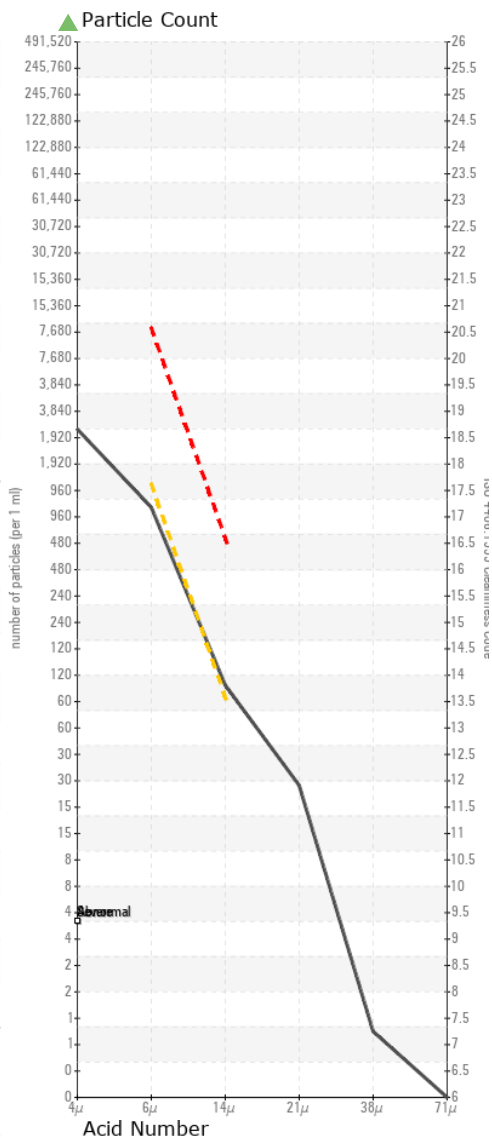
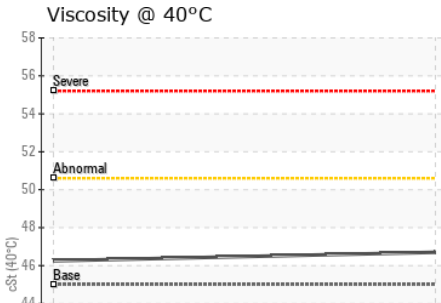
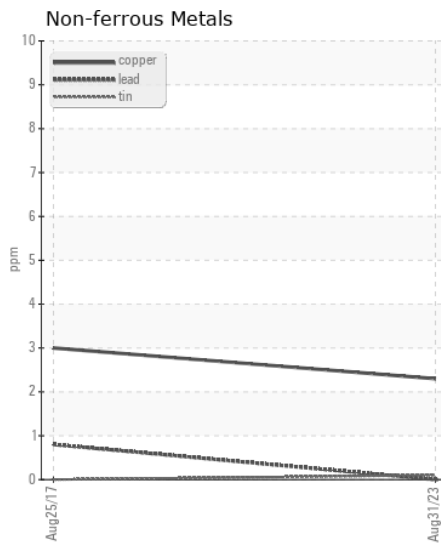
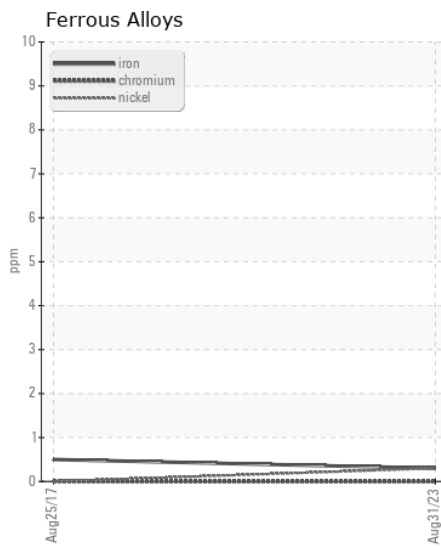
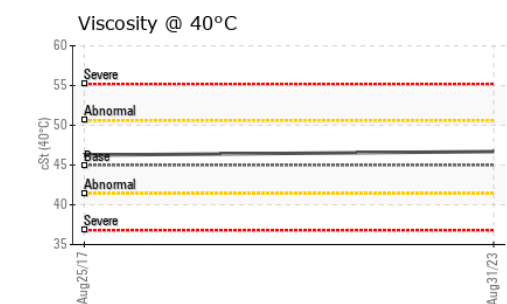
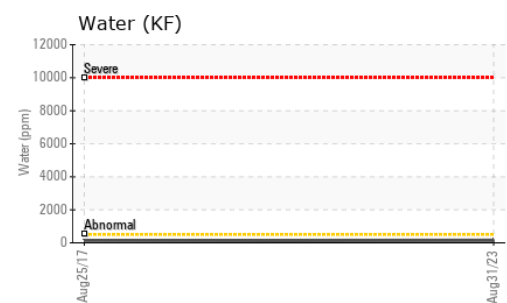
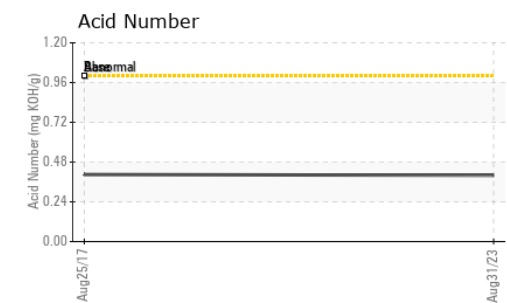
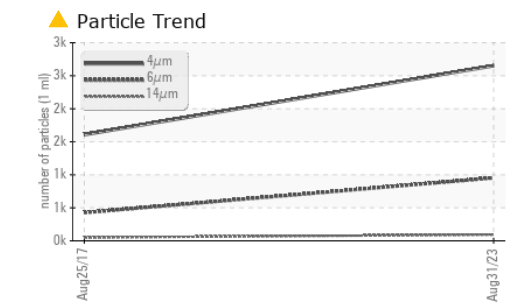
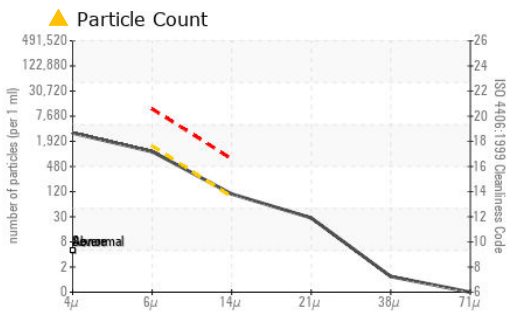
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	---
Potassium	ppm	ASTM D5185m	>20	2	13	---
Water	%	ASTM D6304	>0.05	0.015	0.013	---
ppm Water	ppm	ASTM D6304	>500	152.8	130	---
Particles >4µm		ASTM D7647		2651	1607	---
Particles >6µm		ASTM D7647	>1300	953	426	---
Particles >14µm		ASTM D7647	>80	▲ 93	50	---
Particles >21µm		ASTM D7647	>20	▲ 25	19	---
Particles >38µm		ASTM D7647	>4	1	8	---
Particles >71µm		ASTM D7647	>3	0	8	---
Oil Cleanliness		ISO 4406 (c)	:-/17/13	▲ 19/17/14	16/13	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	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		8	6	---
Boron	ppm	ASTM D5185m	0	0	0	---
Barium	ppm	ASTM D5185m	90	12	15	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m	100	47	37	---
Calcium	ppm	ASTM D5185m	0	<1	<1	---
Phosphorus	ppm	ASTM D5185m	0	1	1	---
Zinc	ppm	ASTM D5185m	0	4	6	---
Sulfur	ppm	ASTM D5185m	23500	21061	18996	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.40	0.405	---
Visc @ 40°C	cSt	ASTM D445	45	46.7	46.25	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA003631 **Received** : 21 Sep 2023
Lab Number : 05957681 **Tested** : 22 Sep 2023
Unique Number : 10658894 **Diagnosed** : 22 Sep 2023 - Doug Bogart
Test Package : IND 2 (Additional Tests: KF, PrtCount)

FMC TECHNOLOGIES - ALCORN CONSTRUCTION
 1571 COUNTY RD 27
 BRIGHTON, CO
 US 80603
 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)

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F: