



Built for a lifetime™

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KAESER AIR TOWER 7.5C 5918833 (S/N 1647)

Component
Compressor

Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

RECOMMENDATION

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		KCPA007786	KCP14447	---
Sample Date		Client Info		09 Oct 2023	31 Oct 2018	---
Machine Age	hrs	Client Info		4365	1018	---
Oil Age	hrs	Client Info		0	1018	---
Filter Age	hrs	Client Info		0	1018	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	<1	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>3	0	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	0	---
Copper	ppm	ASTM D5185m	>50	34	11	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

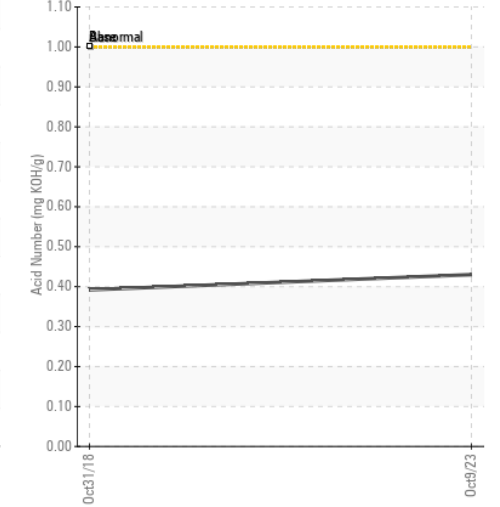
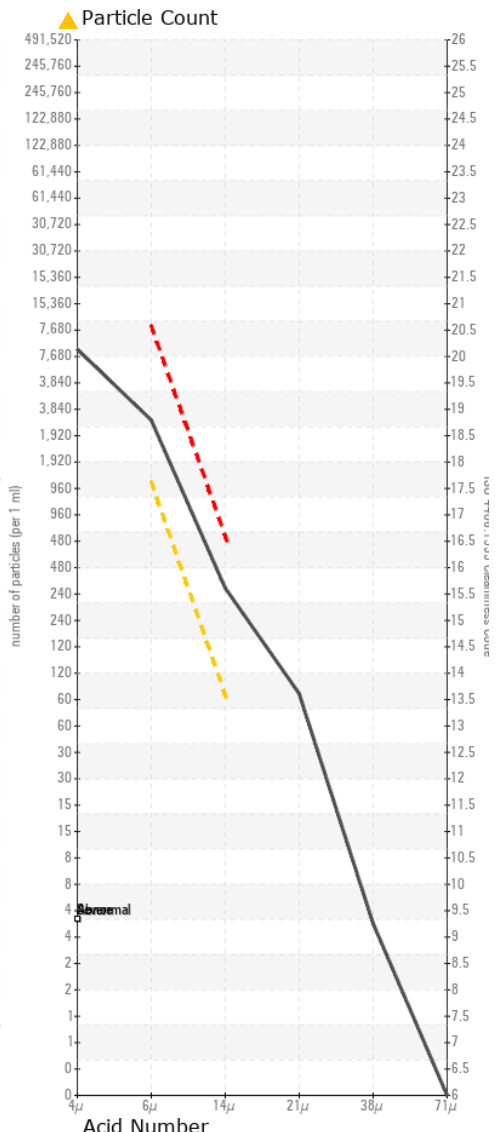
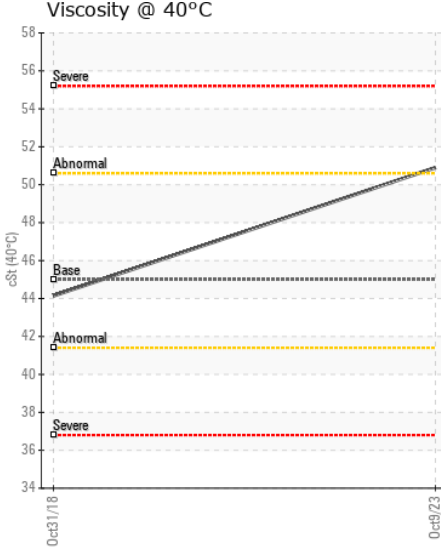
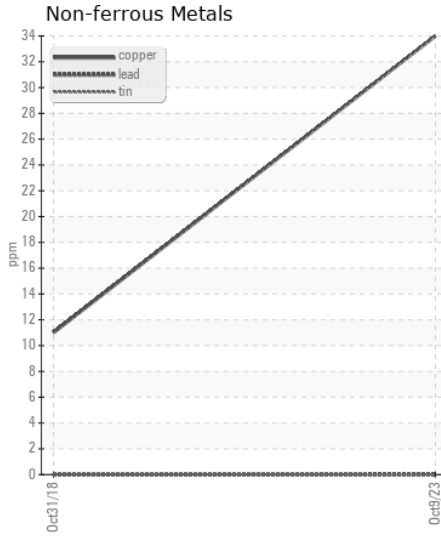
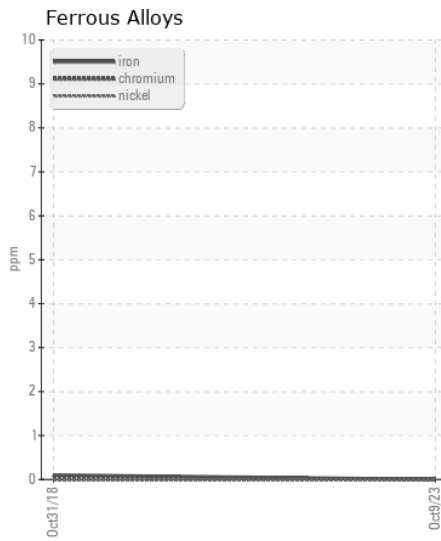
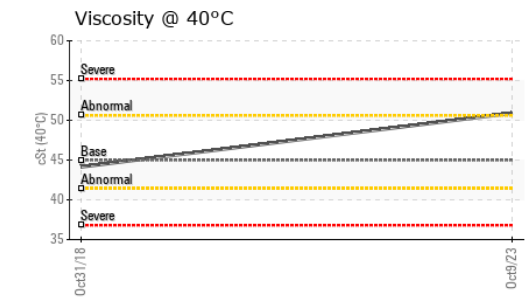
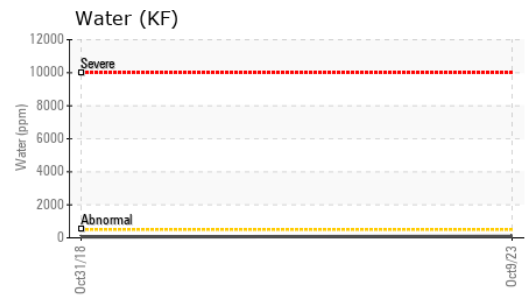
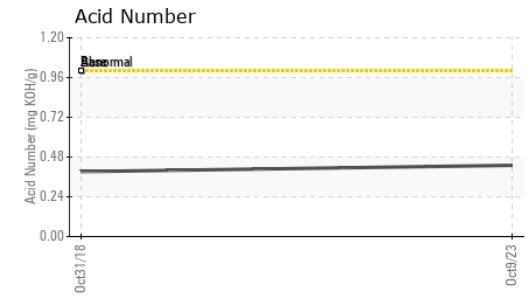
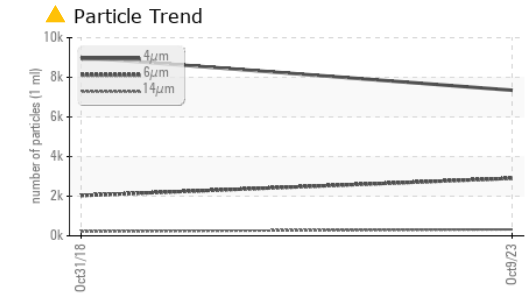
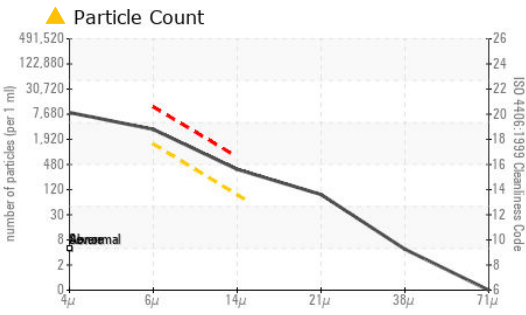
There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>25	12	▲ 25	---
Potassium	ppm	ASTM D5185m	>20	0	<1	---
Water	%	ASTM D6304	>0.05	0.008	0.006	---
ppm Water	ppm	ASTM D6304	>500	86.2	60	---
Particles >4µm		ASTM D7647		7348	9008	---
Particles >6µm		ASTM D7647	>1300	▲ 2905	▲ 2032	---
Particles >14µm		ASTM D7647	>80	▲ 323	▲ 219	---
Particles >21µm		ASTM D7647	>20	▲ 81	▲ 77	---
Particles >38µm		ASTM D7647	>4	4	▲ 10	---
Particles >71µm		ASTM D7647	>3	0	3	---
Oil Cleanliness		ISO 4406 (c)	>17/13	▲ 19/16	▲ 18/15	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
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		<1	2	---
Boron	ppm	ASTM D5185m	0	0	0	---
Barium	ppm	ASTM D5185m	90	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m	100	<1	6	---
Calcium	ppm	ASTM D5185m	0	0	0	---
Phosphorus	ppm	ASTM D5185m	0	<1	6	---
Zinc	ppm	ASTM D5185m	0	0	9	---
Sulfur	ppm	ASTM D5185m	23500	16336	19416	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.43	0.392	---
Visc @ 40°C	cSt	ASTM D445	45	50.9	44.14	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA007786 **Received** : 18 Oct 2023
Lab Number : 05982389 **Diagnosed** : 20 Oct 2023
Unique Number : 10699684 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: KF, PrtCount)

VINTAGE WOOD INC
 210 AIRPARK DR
 GYPSUM, CO
 US 81637
 Contact: Service Manager
 benyholguin@gmail.com
 T:
 F:

Certificate L2367
 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)