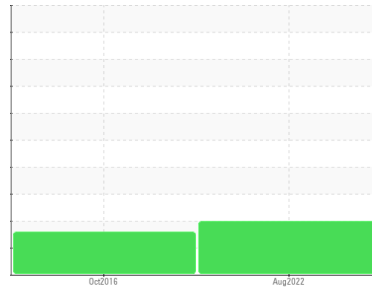


PROBLEM SUMMARY

Sample Rating Trend



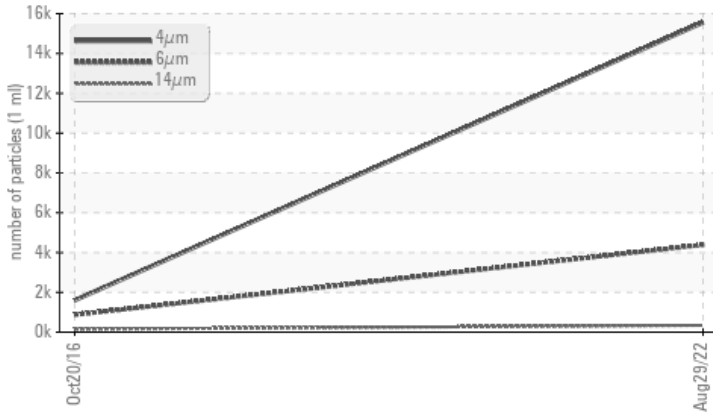
ISO



Machine Id
AIRTOWER 5C 3807456 (S/N 1231)
Component
Compressor
Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ATTENTION	---
Particles >6µm	ASTM D7647	>1300	▲ 4386	873	---
Particles >14µm	ASTM D7647	>80	▲ 342	▲ 148	---
Particles >21µm	ASTM D7647	>20	▲ 70	▲ 50	---
Particles >38µm	ASTM D7647	>4	▲ 5	▲ 7	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 21/19/16	▲ 17/14	---

Customer Id: CALPOP
Sample No.: KCP37354
Lab Number: 05635641
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

20 Oct 2016 Diag: Jonathan Hester

ISO



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

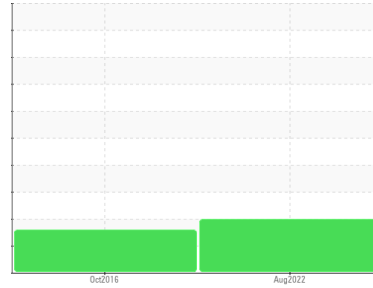




Machine Id
AIRTOWER 5C 3807456 (S/N 1231)

Component
Compressor

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



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number			KCP37354	KCP58873	---
Sample Date			29 Aug 2022	20 Oct 2016	---
Machine Age	hrs		3204	463	---
Oil Age	hrs		3204	463	---
Oil Changed			Changed	Changed	---
Sample Status			ABNORMAL	ATTENTION	---

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >50	<1	43	---
Chromium	ppm	ASTM D5185m >10	0	0	---
Nickel	ppm	ASTM D5185m	0	<1	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	<1	0	---
Aluminum	ppm	ASTM D5185m >25	<1	<1	---
Lead	ppm	ASTM D5185m >25	<1	<1	---
Copper	ppm	ASTM D5185m >50	20	16	---
Tin	ppm	ASTM D5185m >15	<1	0	---
Antimony	ppm	ASTM D5185m	---	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m 0	0	<1	---
Barium	ppm	ASTM D5185m 90	0	0	---
Molybdenum	ppm	ASTM D5185m 0	0	0	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m 100	2	9	---
Calcium	ppm	ASTM D5185m 0	0	0	---
Phosphorus	ppm	ASTM D5185m 0	2	2	---
Zinc	ppm	ASTM D5185m 0	52	107	---
Sulfur	ppm	ASTM D5185m 23500	16387	15118	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >25	<1	1	---
Sodium	ppm	ASTM D5185m	0	8	---
Potassium	ppm	ASTM D5185m >20	1	0	---
Water	%	ASTM D6304 >0.1	0.006	0.014	---
ppm Water	ppm	ASTM D6304 >1000	61.1	140	---

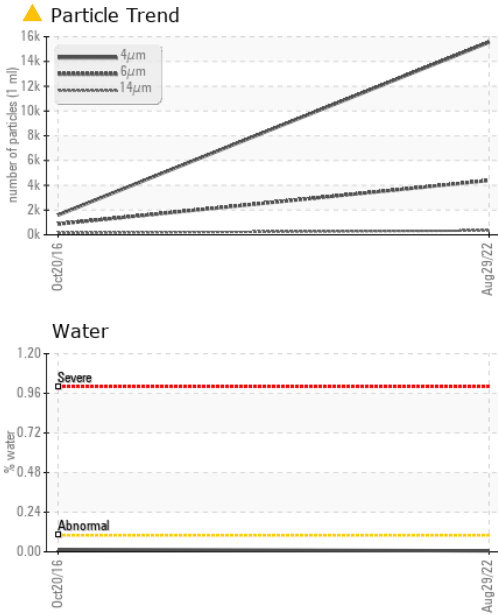
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		15558	1602	---
Particles >6µm	ASTM D7647 >1300		▲ 4386	873	---
Particles >14µm	ASTM D7647 >80		▲ 342	▲ 148	---
Particles >21µm	ASTM D7647 >20		▲ 70	▲ 50	---
Particles >38µm	ASTM D7647 >4		▲ 5	▲ 7	---
Particles >71µm	ASTM D7647 >3		1	0	---
Oil Cleanliness	ISO 4406 (c) >--/17/13		▲ 21/19/16	▲ 17/14	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045 1.0	0.32	0.309	---

OIL ANALYSIS REPORT



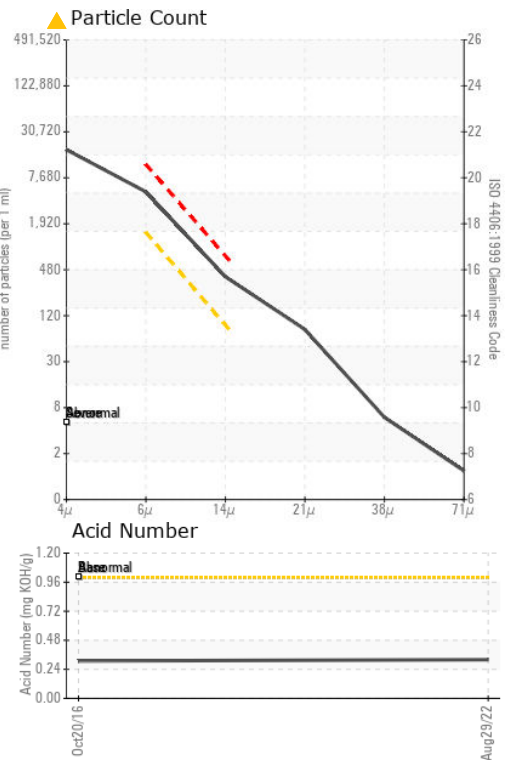
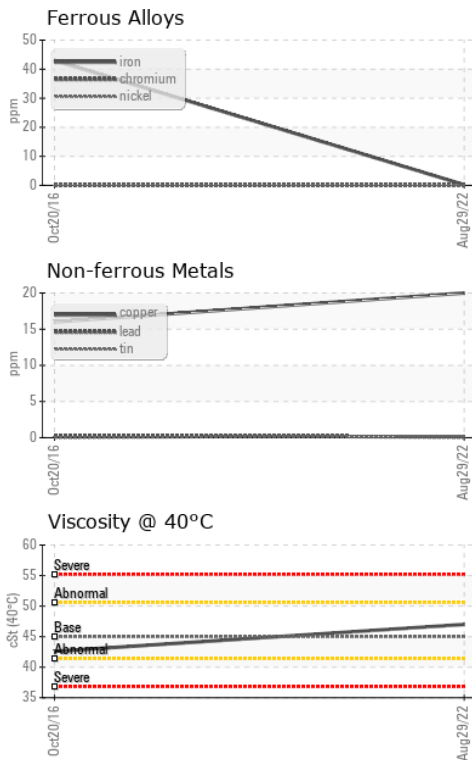
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	45	47.0	42.59

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP37354 **Received** : 07 Sep 2022
Lab Number : 05635641 **Diagnosed** : 08 Sep 2022
Unique Number : 10125171 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

CALLA LILY
 6307 POPE VALLEY RD
 POPE VALLEY, CA
 USA 94567
 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)