

PROBLEM SUMMARY

Sample Rating Trend



ISO



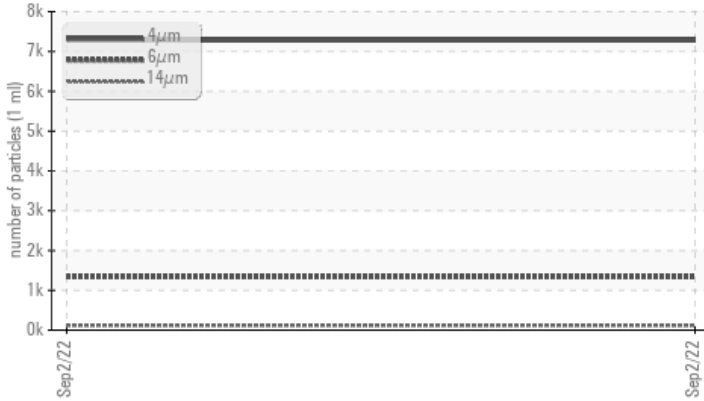
Machine Id
7236543 (S/N 1446)

Component
Compressor

Fluid
KAESER SIGMA (OEM) S-460 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Particles >6µm	ASTM D7647	>1300	▲ 1338	---	---	---
Particles >14µm	ASTM D7647	>80	▲ 117	---	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/18/14	---	---	---

Customer Id: MILCUY
Sample No.: KC95194
Lab Number: 05639091
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
7236543 (S/N 1446)
Component
Compressor
Fluid
KAESER SIGMA (OEM) S-460 (--- QTS)

DIAGNOSIS

▲ Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate 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			KC95194	---	---
Sample Date			02 Sep 2022	---	---
Machine Age	hrs		10171	---	---
Oil Age	hrs		2899	---	---
Oil Changed			Not Changed	---	---
Sample Status			ATTENTION	---	---

WEAR METALS	method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m	>50	0	---	---
Chromium	ppm ASTM D5185m	>10	0	---	---
Nickel	ppm ASTM D5185m	>3	0	---	---
Titanium	ppm ASTM D5185m	>3	0	---	---
Silver	ppm ASTM D5185m	>2	0	---	---
Aluminum	ppm ASTM D5185m	>10	<1	---	---
Lead	ppm ASTM D5185m	>10	0	---	---
Copper	ppm ASTM D5185m	>50	21	---	---
Tin	ppm ASTM D5185m	>10	0	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES	method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m		0	---	---
Barium	ppm ASTM D5185m	90	2	---	---
Molybdenum	ppm ASTM D5185m		0	---	---
Manganese	ppm ASTM D5185m		0	---	---
Magnesium	ppm ASTM D5185m	90	0	---	---
Calcium	ppm ASTM D5185m	2	0	---	---
Phosphorus	ppm ASTM D5185m		2	---	---
Zinc	ppm ASTM D5185m		3	---	---

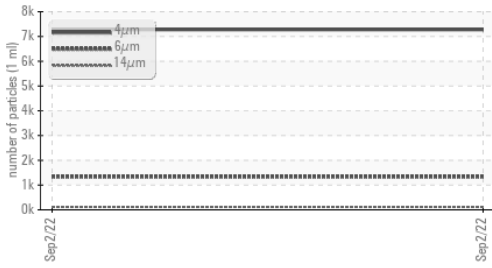
CONTAMINANTS	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m	>25	3	---	---
Sodium	ppm ASTM D5185m		<1	---	---
Potassium	ppm ASTM D5185m	>20	0	---	---
Water	% ASTM D6304	>0.05	0.046	---	---
ppm Water	ppm ASTM D6304	>500	460.6	---	---

FLUID CLEANLINESS	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		7278	---	---
Particles >6µm	ASTM D7647	>1300	▲ 1338	---	---
Particles >14µm	ASTM D7647	>80	▲ 117	---	---
Particles >21µm	ASTM D7647	>20	47	---	---
Particles >38µm	ASTM D7647	>4	3	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/18/14	---	---

FLUID DEGRADATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g ASTM D8045	0.4	0.37	---	---

OIL ANALYSIS REPORT

▲ Particle Trend



Water



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	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	46	44.0	---	---

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

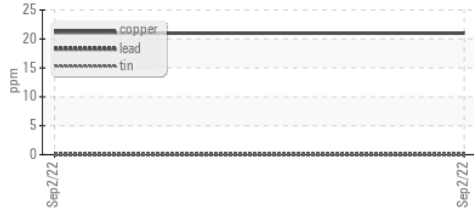
Color				no image	no image
Bottom				no image	no image

GRAPHS

Ferrous Alloys



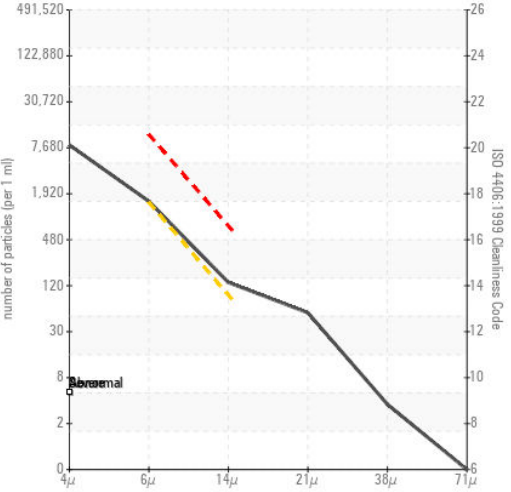
Non-ferrous Metals



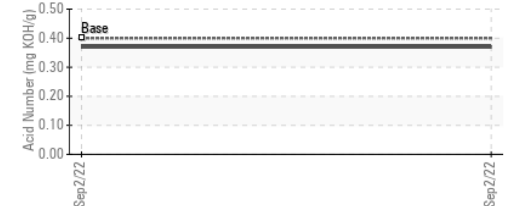
Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KC95194 **Received** : 12 Sep 2022
Lab Number : 05639091 **Diagnosed** : 14 Sep 2022
Unique Number : 10128621 **Diagnostician** : Angela Borella
Test Package : IND 2

MILLIPORE
 4353 E 49TH ST
 CUYAHOGA HEIGHTS, OH
 USA 44125
 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: