



PROBLEM SUMMARY

Sample Rating Trend



ISO



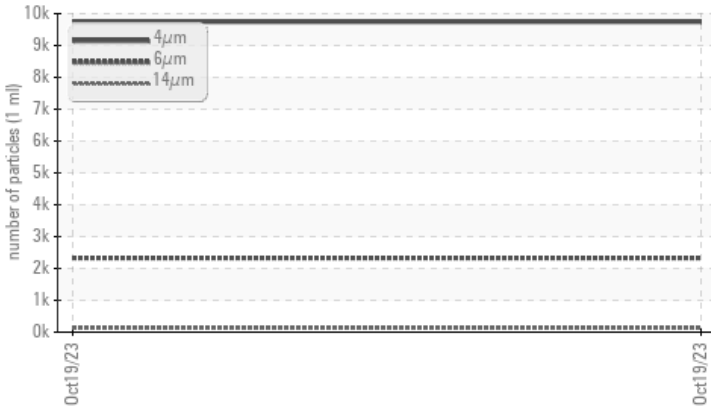
Machine Id
KAESER CSD 75 8912242 (S/N 1047)

Component
Compressor

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

COMPONENT CONDITION SUMMARY

▲ Particle Trend



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.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Particles >6µm	ASTM D7647	>1300	▲ 2328	---	---	---
Particles >14µm	ASTM D7647	>80	▲ 124	---	---	---
Particles >21µm	ASTM D7647	>20	▲ 33	---	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 20/18/14	---	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---

Customer Id: WIKLAW
Sample No.: KCPA007614
Lab Number: 05999883
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

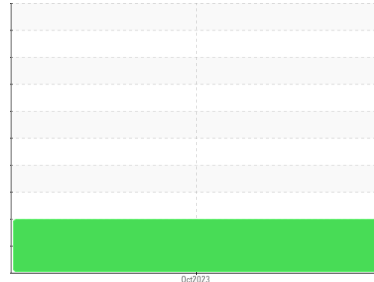
There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
KAESER CSD 75 8912242 (S/N 1047)

Component
Compressor

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

DIAGNOSIS

▲ 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.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate amount of particulates present in the oil. Moderate concentration of visible dirt/debris 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	history1	history2
Sample Number	Client Info	KCPA007614	---	---
Sample Date	Client Info	19 Oct 2023	---	---
Machine Age	hrs Client Info	3013	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
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	4	---	---
Lead ppm	ASTM D5185m >10	0	---	---
Copper ppm	ASTM D5185m >50	2	---	---
Tin ppm	ASTM D5185m >10	0	---	---
Vanadium ppm	ASTM D5185m	0	---	---
Cadmium ppm	ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	0	---	---
Barium ppm	ASTM D5185m 90	0	---	---
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	45	---	---
Zinc ppm	ASTM D5185m	6	---	---
Sulfur ppm	ASTM D5185m	1490	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	0	---	---
Sodium ppm	ASTM D5185m	<1	---	---
Potassium ppm	ASTM D5185m >20	0	---	---
Water %	ASTM D6304 >0.05	0.003	---	---
ppm Water ppm	ASTM D6304 >500	33.2	---	---

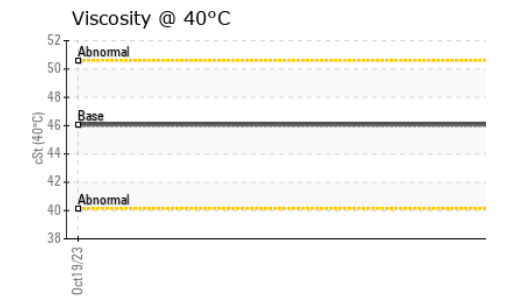
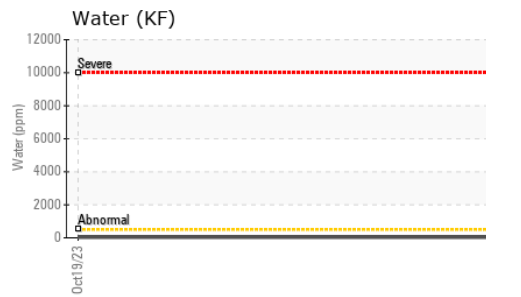
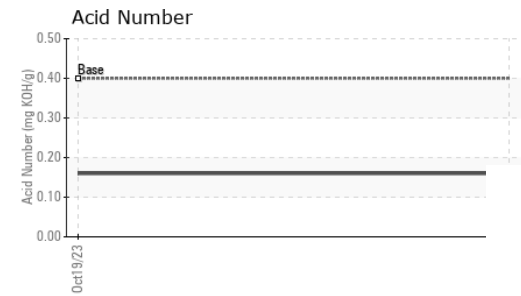
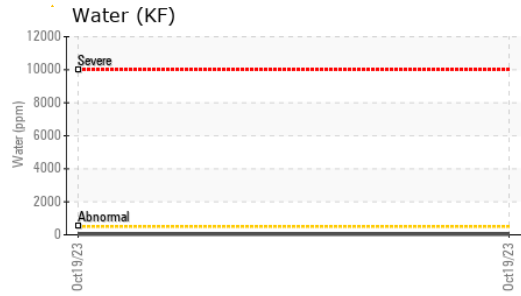
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	9744	---	---
Particles >6µm	ASTM D7647 >1300	▲ 2328	---	---
Particles >14µm	ASTM D7647 >80	▲ 124	---	---
Particles >21µm	ASTM D7647 >20	▲ 33	---	---
Particles >38µm	ASTM D7647 >4	1	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 20/18/14	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.4	0.16	---	---

OIL ANALYSIS REPORT



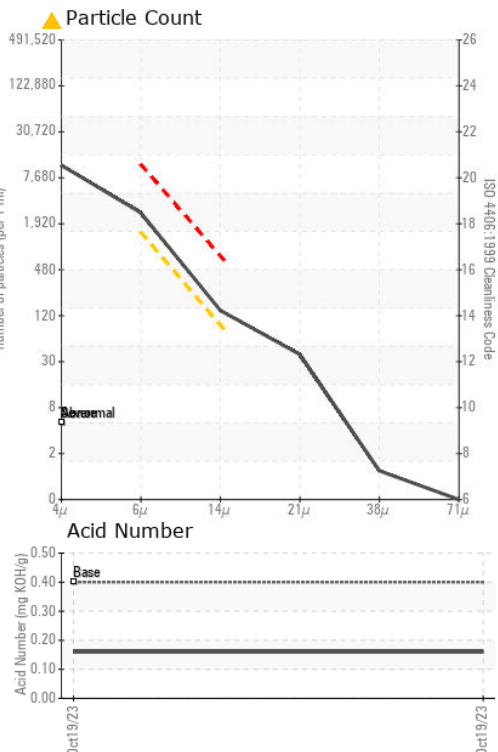
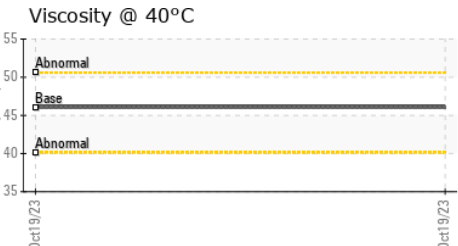
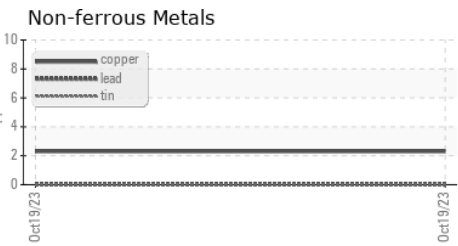
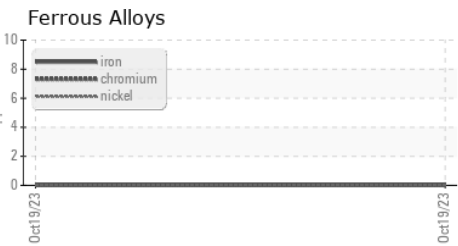
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	---	---
Yellow Metal	scalar	*Visual NONE	NONE	---	---
Precipitate	scalar	*Visual NONE	NONE	---	---
Silt	scalar	*Visual NONE	NONE	---	---
Debris	scalar	*Visual NONE	▲ MODER	---	---
Sand/Dirt	scalar	*Visual NONE	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	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	46.1	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA007614 **Received** : 06 Nov 2023
Lab Number : 05999883 **Diagnosed** : 08 Nov 2023
Unique Number : 10728243 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

WIKA INSTRUMENTS
 1000 WIEGAND BLVD
 LAWRENCEVILLE, GA
 US 30043
 Contact: JONATHAN HURLEY
 jonathan.hurley@wika.com

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: