KAESER COMPRESSORS ®
Built for a lifetime.
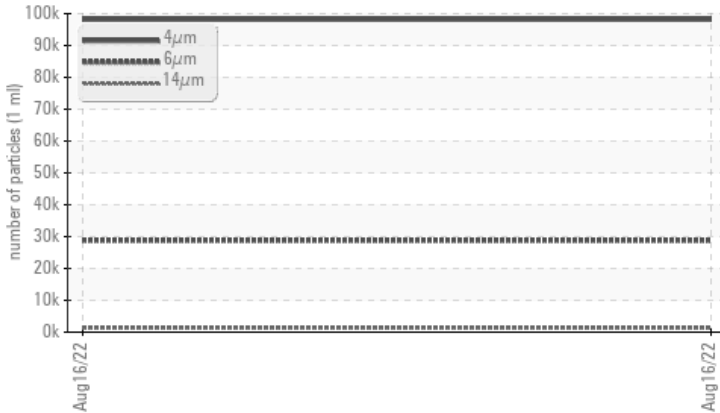
PROBLEM SUMMARY

Sample Rating Trend

Aug 2022

ISO

Machine Id
KAESER 1064929
Component
Compressor
Fluid
NOT GIVEN (--- 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**	---	---
Particles >6µm		ASTM D7647	>1300	⚠ **28803**	---	---
Particles >14µm		ASTM D7647	>80	⚠ **1287**	---	---
Particles >21µm		ASTM D7647	>20	⚠ **236**	---	---
Particles >38µm		ASTM D7647	>4	⚠ **16**	---	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	⚠ **24/22/17**	---	---

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

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OIL ANALYSIS REPORT

Sample Rating Trend

Aug 2022

ISO

⚠️

Machine Id
KAESER 1064929
Component
Compressor
Fluid
NOT GIVEN (--- GAL)
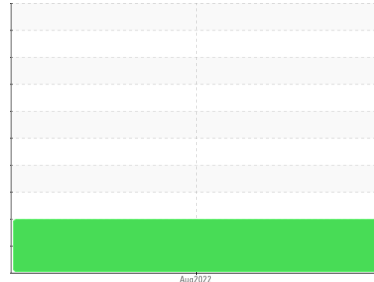
DIAGNOSIS

🔺 **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			KCP49386	---	---
Sample Date			16 Aug 2022	---	---
Machine Age	hrs		45582	---	---
Oil Age	hrs		0	---	---
Oil Changed			Changed	---	---
Sample Status			ABNORMAL	---	---

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	4	---	---
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		22	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		47	---	---
Calcium	ppm	ASTM D5185m		0	---	---
Phosphorus	ppm	ASTM D5185m		21	---	---
Zinc	ppm	ASTM D5185m		14	---	---
Sulfur	ppm	ASTM D5185m		17076	---	---

CONTAMINANTS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	<1	---	---
Sodium	ppm	ASTM D5185m		8	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.05	0.014	---	---
ppm Water	ppm	ASTM D6304	>500	145.4	---	---

FLUID CLEANLINESS	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		98155	---	---
Particles >6µm	ASTM D7647	>1300	🔺 28803	---	---
Particles >14µm	ASTM D7647	>80	🔺 1287	---	---
Particles >21µm	ASTM D7647	>20	🔺 236	---	---
Particles >38µm	ASTM D7647	>4	🔺 16	---	---
Particles >71µm	ASTM D7647	>3	2	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	🔺 24/22/17	---	---

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

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OIL ANALYSIS REPORT

Particle Trend

Water
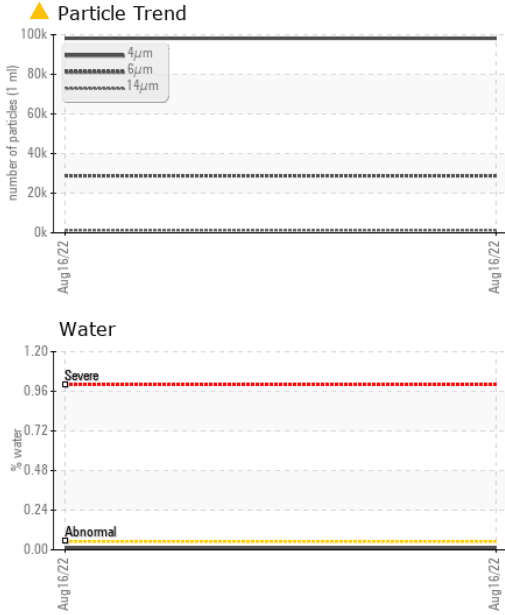
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	**VLITE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**LIGHT**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>0.05	**NEG**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445		**44.3**	---	---

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color					no image	no image
Bottom					no image	no image

GRAPHS
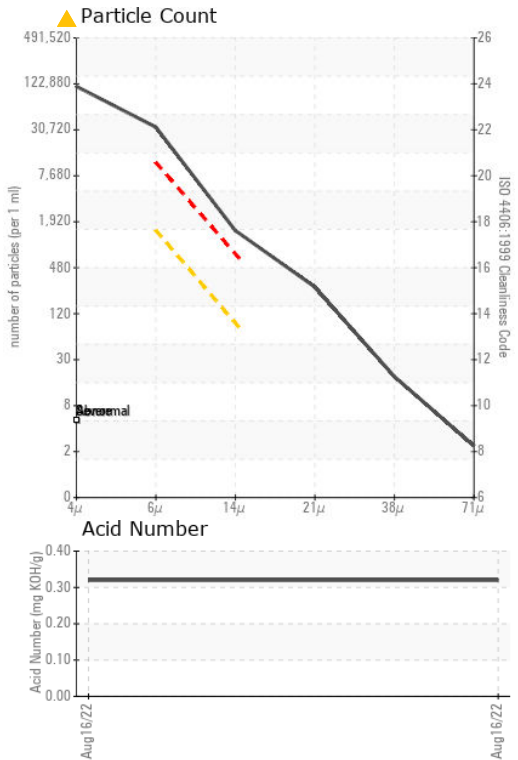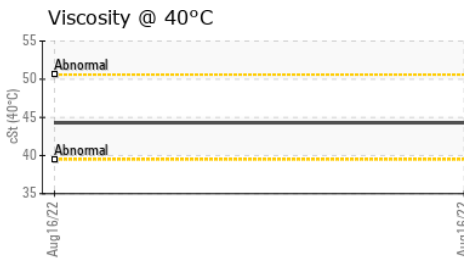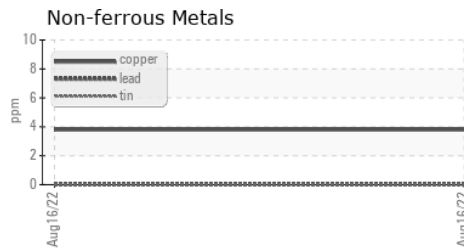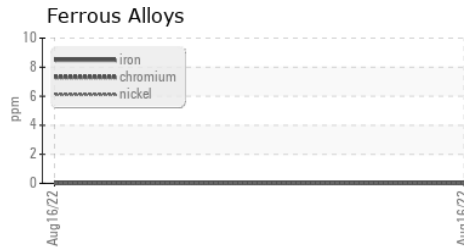
Ferrous Alloys

Non-ferrous Metals

Viscosity @ 40°C

Particle Count

Acid Number

ANAB ACCREDITED — TESTING LABORATORY
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)

T:
F: