



PROBLEM SUMMARY

Sample Rating Trend



ISO



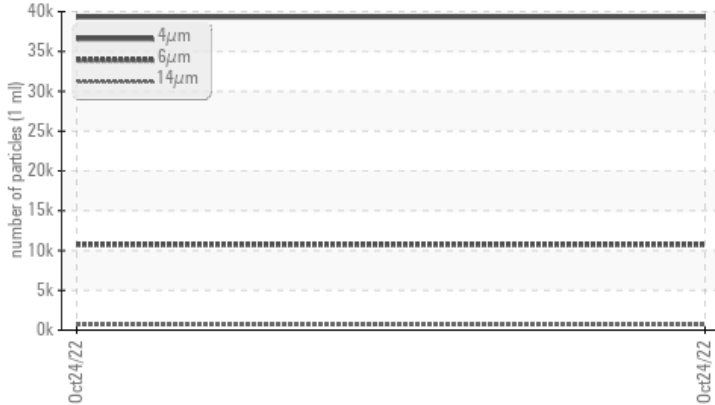
Machine Id
1620078 (S/N 1133)

Component
Compressor

Fluid
KAESER SIGMA (OEM) S-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	---	---
Particles >6µm	ASTM D7647	>1300	▲ 10739	---	---
Particles >14µm	ASTM D7647	>80	▲ 673	---	---
Particles >21µm	ASTM D7647	>20	▲ 103	---	---
Oil Cleanliness	ISO 4406 (c)	>--/17/13	▲ 22/21/17	---	---

Customer Id: MARPHIKCP
Sample No.: KCP46744D
Lab Number: 05681144
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

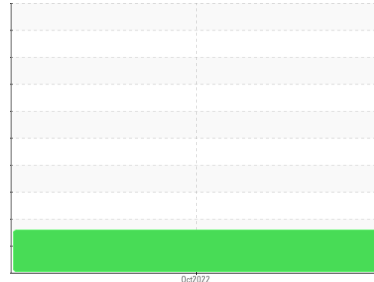
Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
1620078 (S/N 1133)

Component
Compressor
Fluid
KAESER SIGMA (OEM) S-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	history1	history2
Sample Number	Client Info	KCP46744D	---	---
Sample Date	Client Info	24 Oct 2022	---	---
Machine Age	hrs Client Info	118112	---	---
Oil Age	hrs Client Info	9183	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >50	<1	---	---
Chromium ppm	ASTM D5185m >10	<1	---	---
Nickel ppm	ASTM D5185m >3	<1	---	---
Titanium ppm	ASTM D5185m >3	<1	---	---
Silver ppm	ASTM D5185m >2	1	---	---
Aluminum ppm	ASTM D5185m >10	1	---	---
Lead ppm	ASTM D5185m >10	0	---	---
Copper ppm	ASTM D5185m >50	5	---	---
Tin ppm	ASTM D5185m >10	<1	---	---
Vanadium ppm	ASTM D5185m	<1	---	---
Cadmium ppm	ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	0	---	---
Barium ppm	ASTM D5185m 90	0	---	---
Molybdenum ppm	ASTM D5185m	<1	---	---
Manganese ppm	ASTM D5185m	1	---	---
Magnesium ppm	ASTM D5185m 90	23	---	---
Calcium ppm	ASTM D5185m 2	0	---	---
Phosphorus ppm	ASTM D5185m	<1	---	---
Zinc ppm	ASTM D5185m	0	---	---
Sulfur ppm	ASTM D5185m	17241	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	1	---	---
Sodium ppm	ASTM D5185m	12	---	---
Potassium ppm	ASTM D5185m >20	2	---	---
Water %	ASTM D6304 >0.05	0.013	---	---
ppm Water	ASTM D6304 >500	135.6	---	---

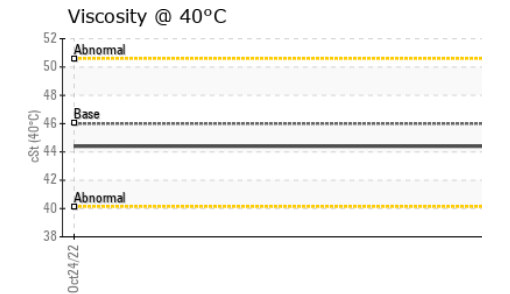
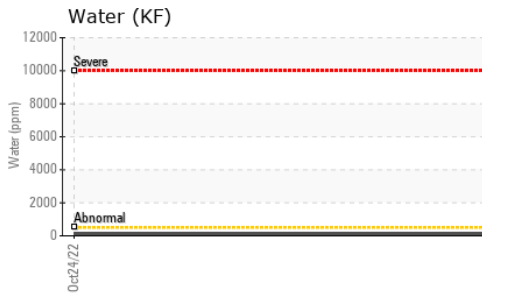
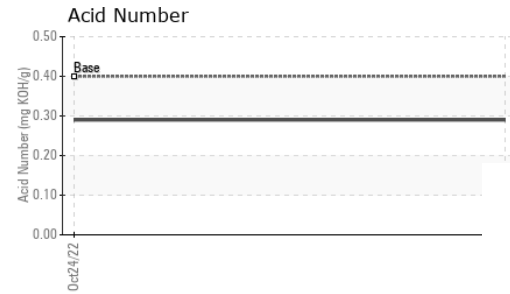
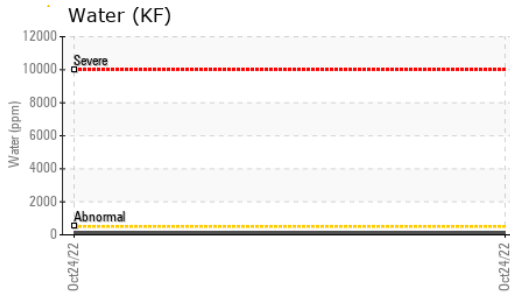
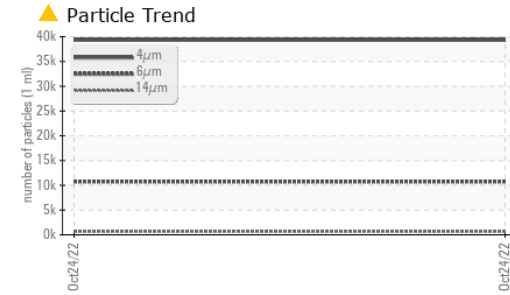
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	39324	---	---
Particles >6µm	ASTM D7647 >1300	▲ 10739	---	---
Particles >14µm	ASTM D7647 >80	▲ 673	---	---
Particles >21µm	ASTM D7647 >20	▲ 103	---	---
Particles >38µm	ASTM D7647 >4	4	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >--/17/13	▲ 22/21/17	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.4	0.29	---	---

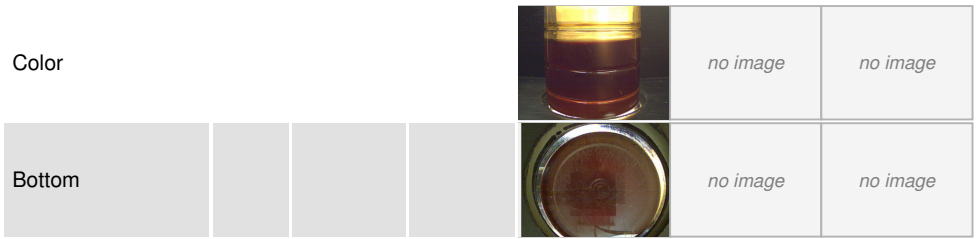
OIL ANALYSIS REPORT



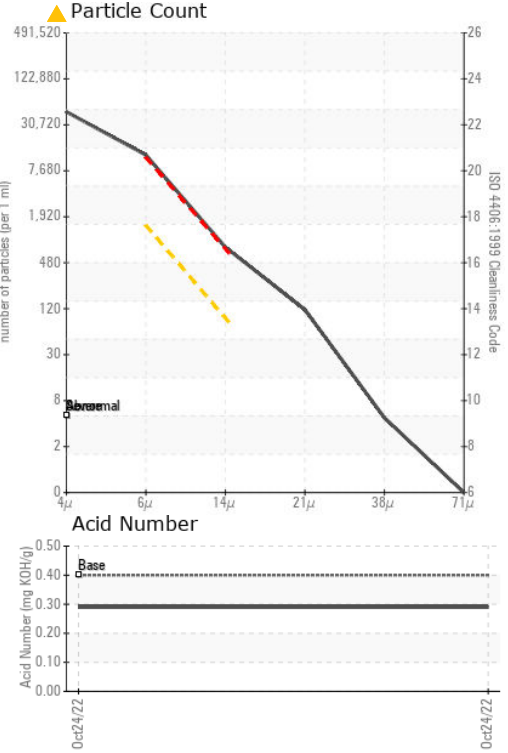
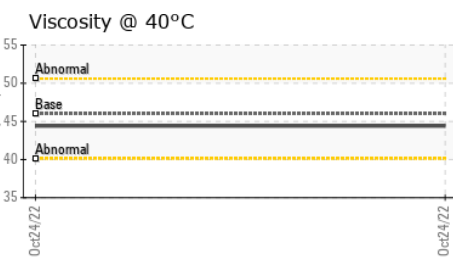
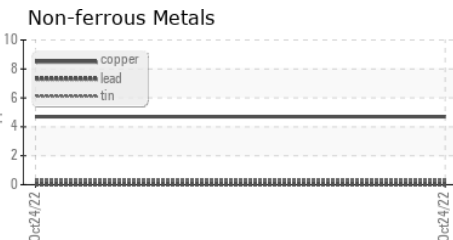
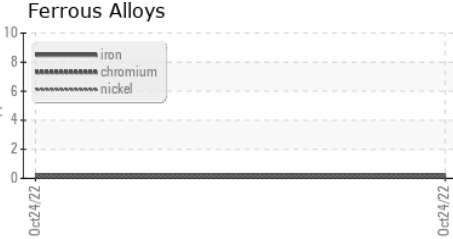
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.4	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCP46744D **Received** : 31 Oct 2022
Lab Number : 05681144 **Diagnosed** : 02 Nov 2022
Unique Number : 10195715 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

MARSHALLS DISTRIBUTION CENTER
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 MILAGROS_TORRES@TJX.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: