

PROBLEM SUMMARY

Sample Rating Trend



WEAR

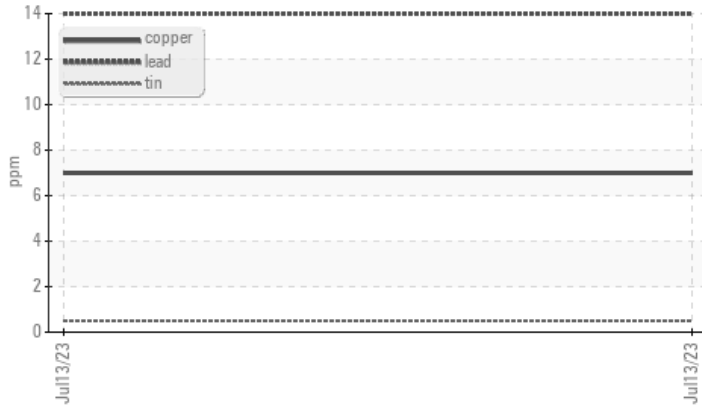


Machine Id
1420356 (S/N 01810766)

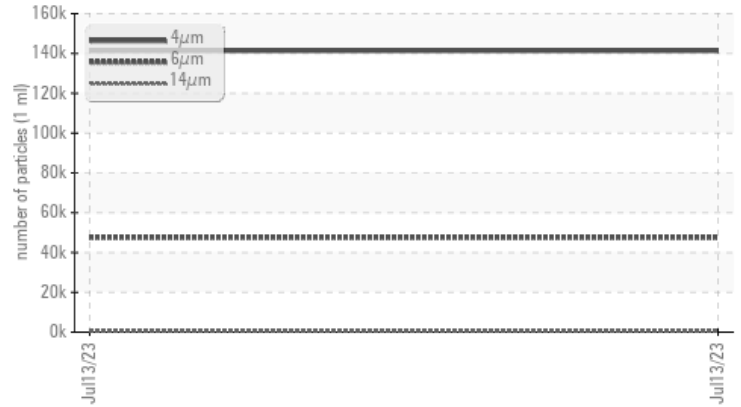
Component
Compressor
Fluid
KAESER SIGMA (OEM) M-460 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ 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			ABNORMAL	---	---
Lead	ppm	ASTM D5185m >10	▲ 14	---	---
Particles >6µm		ASTM D7647 >1300	▲ 47554	---	---
Particles >14µm		ASTM D7647 >80	▲ 512	---	---
Particles >21µm		ASTM D7647 >20	▲ 36	---	---
Oil Cleanliness		ISO 4406 (c) >--/17/13	▲ 24/23/16	---	---

Customer Id: LAMHAY
Sample No.: KCPA004599
Lab Number: 05900738
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

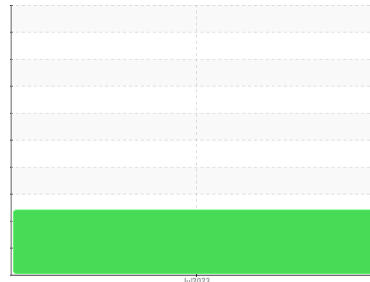
RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
1420356 (S/N 01810766)

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

DIAGNOSIS

▲ Recommendation

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

▲ Wear

The lead level is abnormal. All other 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 acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	KCPA004599	---	---
Sample Date	Client Info	13 Jul 2023	---	---
Machine Age	hrs Client Info	9750	---	---
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	36	---	---
Chromium ppm ASTM D5185m	>10	0	---	---
Nickel ppm ASTM D5185m	>3	<1	---	---
Titanium ppm ASTM D5185m	>3	0	---	---
Silver ppm ASTM D5185m	>2	0	---	---
Aluminum ppm ASTM D5185m	>10	<1	---	---
Lead ppm ASTM D5185m	>10	▲ 14	---	---
Copper ppm ASTM D5185m	>50	7	---	---
Tin ppm ASTM D5185m	>10	<1	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	0	0	---	---
Barium ppm ASTM D5185m	90	0	---	---
Molybdenum ppm ASTM D5185m	0	0	---	---
Manganese ppm ASTM D5185m		13	---	---
Magnesium ppm ASTM D5185m	100	21	---	---
Calcium ppm ASTM D5185m	0	<1	---	---
Phosphorus ppm ASTM D5185m	0	10	---	---
Zinc ppm ASTM D5185m	0	106	---	---
Sulfur ppm ASTM D5185m	23500	19147	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	4	---	---
Sodium ppm ASTM D5185m		6	---	---
Potassium ppm ASTM D5185m	>20	2	---	---
Water % ASTM D6304	>0.05	0.011	---	---
ppm Water ppm ASTM D6304	>500	118.8	---	---

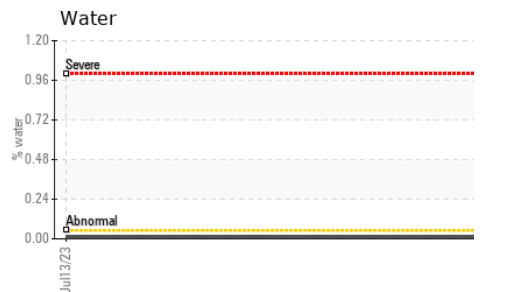
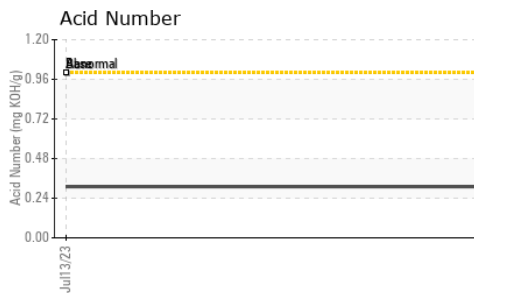
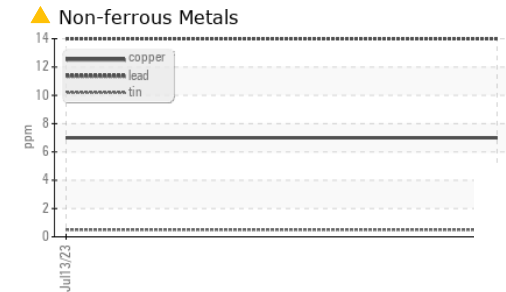
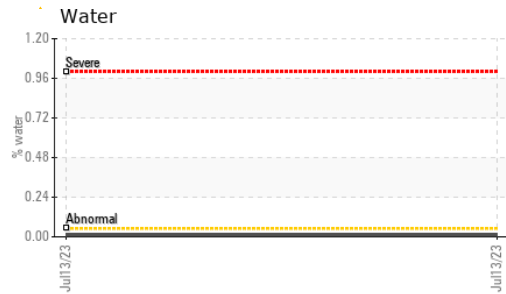
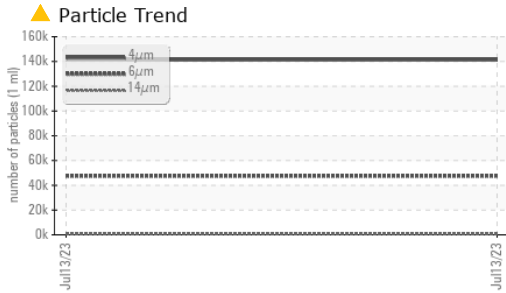
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647		141348	---	---
Particles >6µm ASTM D7647	>1300	▲ 47554	---	---
Particles >14µm ASTM D7647	>80	▲ 512	---	---
Particles >21µm ASTM D7647	>20	▲ 36	---	---
Particles >38µm ASTM D7647	>4	0	---	---
Particles >71µm ASTM D7647	>3	0	---	---
Oil Cleanliness ISO 4406 (c)	>--/17/13	▲ 24/23/16	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	1.0	0.31	---	---

OIL ANALYSIS REPORT



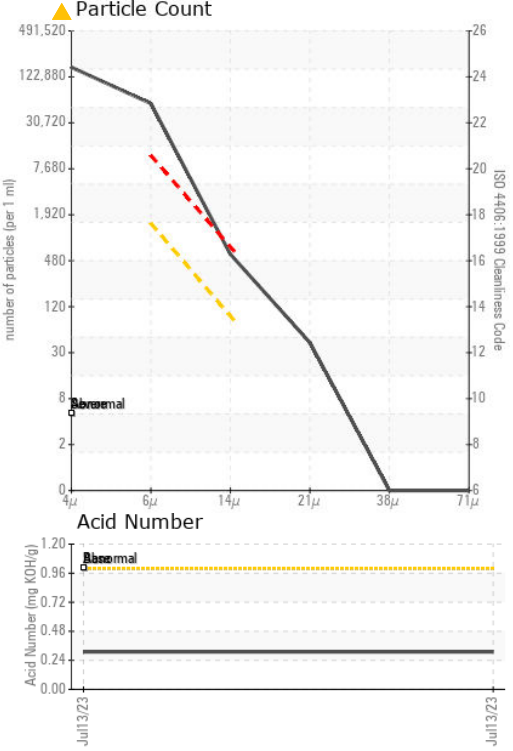
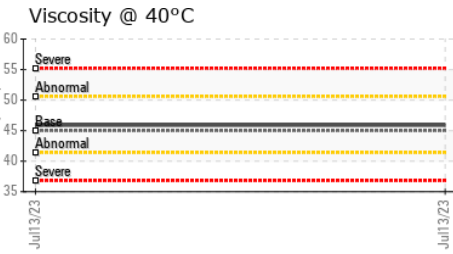
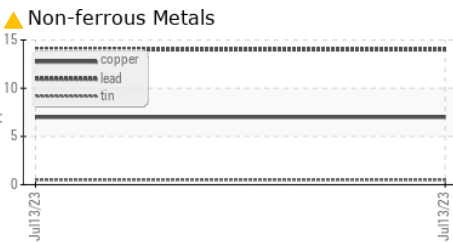
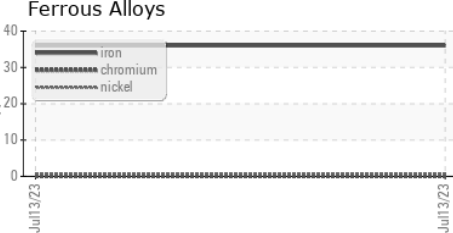
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	45	45.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA004599 **Received** : 17 Jul 2023
Lab Number : 05900738 **Diagnosed** : 19 Jul 2023
Unique Number : 10562094 **Diagnostician** : Angela Borella
Test Package : IND 2 (Additional Tests: KF, PrtCount)

LAMAMED SOLUTIONS INC
 709 SANDOVAL WAY
 HAYWARD, CA
 US 94544
 Contact: SERVICE MANAGER
 celso@lamamed.solutions.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: