



PROBLEM SUMMARY

Area
ULTRA COOLANT
 Machine Id
INGERSOLL RAND MOX1001923 - HERSHEY
 Component
Compressor

Sample Rating Trend

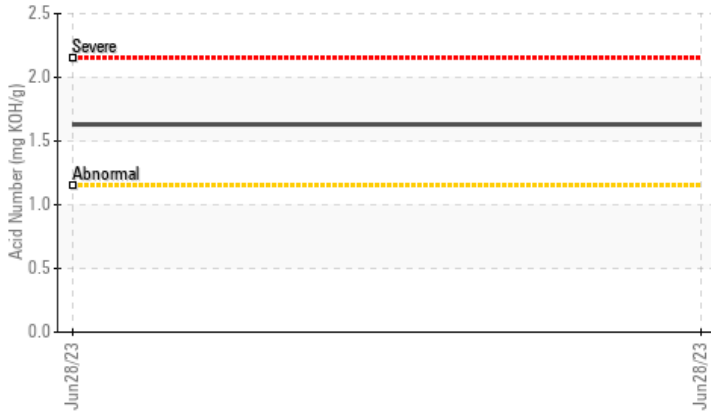


DEGRADATION

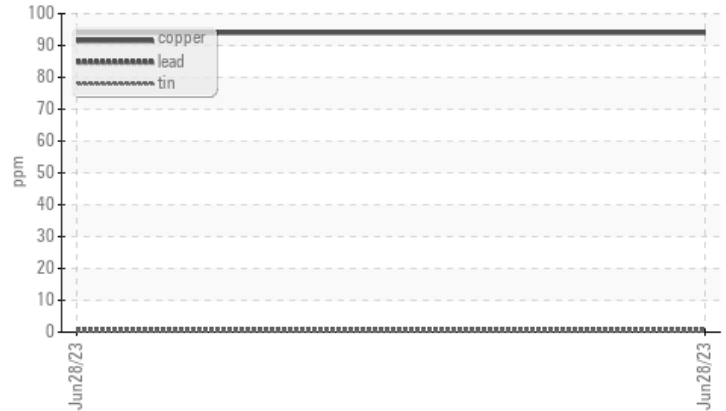


COMPONENT CONDITION SUMMARY

▲ Acid Number



▲ Non-ferrous Metals



RECOMMENDATION

The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Copper	ppm	ASTM D5185m	>50	▲ 94	---	---
Barium	ppm	ASTM D5185m	500	▲ 9	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 1.63	---	---

Customer Id: UCCUMASH
 Sample No.: UCH05961737
 Lab Number: 05961737
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Service/change Fluid	---	---	?	The oil is near the end of it's useful service life, recommend schedule an oil change.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Area
ULTRA COOLANT
 Machine Id
INGERSOLL RAND MOX1001923 - HERSHEY
 Component
Compressor



DIAGNOSIS

Recommendation

The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

An additive depletion is indicated. The AN level is at the top-end of the recommended limit.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	UCH05961737	---	---
Sample Date	Client Info	28 Jun 2023	---	---
Machine Age	hrs Client Info	15865	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ATTENTION	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	1	---	---
Chromium ppm ASTM D5185m	>10	0	---	---
Nickel ppm ASTM D5185m		8	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	3	---	---
Lead ppm ASTM D5185m	>25	<1	---	---
Copper ppm ASTM D5185m	>50	▲ 94	---	---
Tin ppm ASTM D5185m	>15	<1	---	---
Vanadium ppm ASTM D5185m		<1	---	---
Cadmium ppm ASTM D5185m		<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	0	0	---	---
Barium ppm ASTM D5185m	500	▲ 9	---	---
Molybdenum ppm ASTM D5185m	0	0	---	---
Manganese ppm ASTM D5185m		2	---	---
Magnesium ppm ASTM D5185m	0	2	---	---
Calcium ppm ASTM D5185m	0	16	---	---
Phosphorus ppm ASTM D5185m	20	140	---	---
Zinc ppm ASTM D5185m	0	17	---	---
Sulfur ppm ASTM D5185m	200	356	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<1	---	---
Sodium ppm ASTM D5185m		45	---	---
Potassium ppm ASTM D5185m	>20	9	---	---

FLUID DEGRADATION

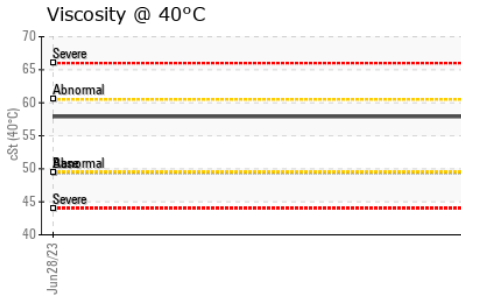
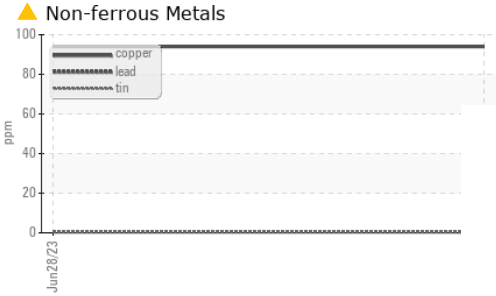
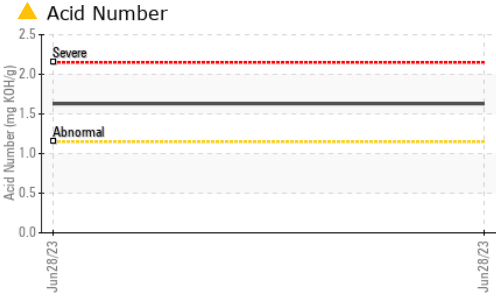
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045		▲ 1.63	---	---

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	>0.1	NEG	---	---
Free Water scalar *Visual		NEG	---	---



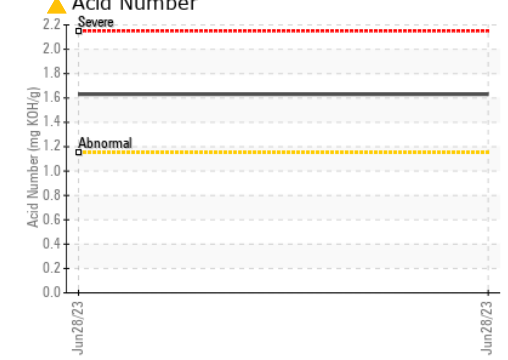
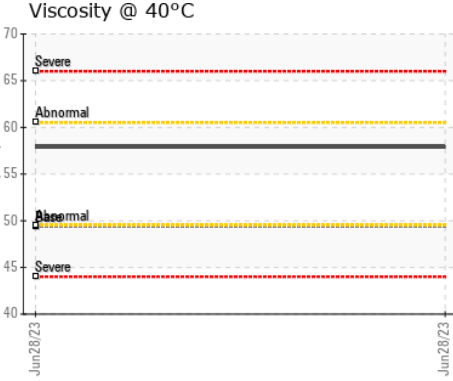
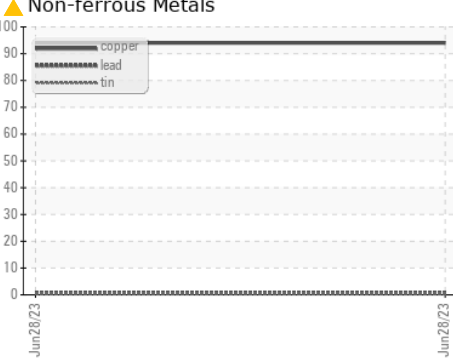
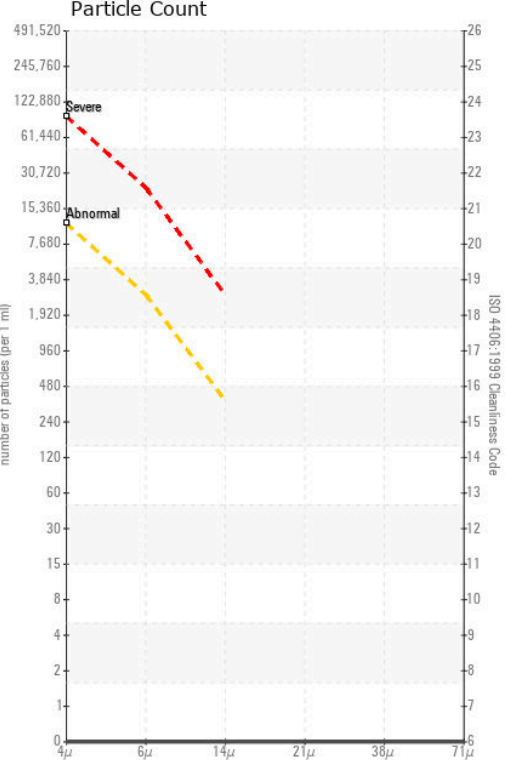
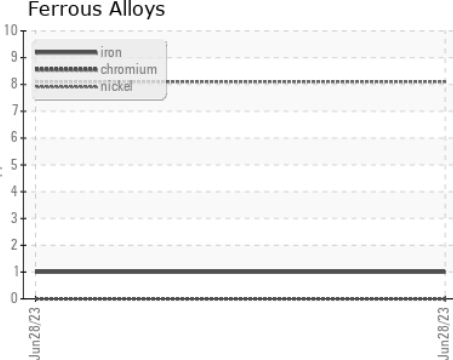
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.4	57.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05961737 **Received** : 26 Sep 2023
Lab Number : 05961737 **Diagnosed** : 28 Sep 2023
Unique Number : 10662950 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: PrtCount)

CUMMINS-WAGNER CO INC
 10086 LEADBETTER PL
 ASHLAND, VA
 US 23005
 Contact: BUTCH ADAMS
 badams@cummins-wagner.com; badams@c-w-co.com
 T: (804)550-3311
 F: (804)550-3318

Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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