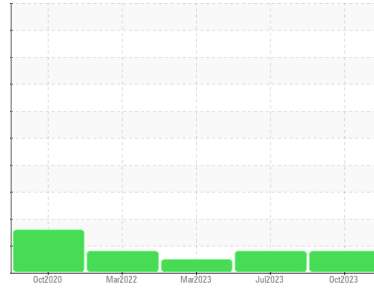




# PROBLEM SUMMARY

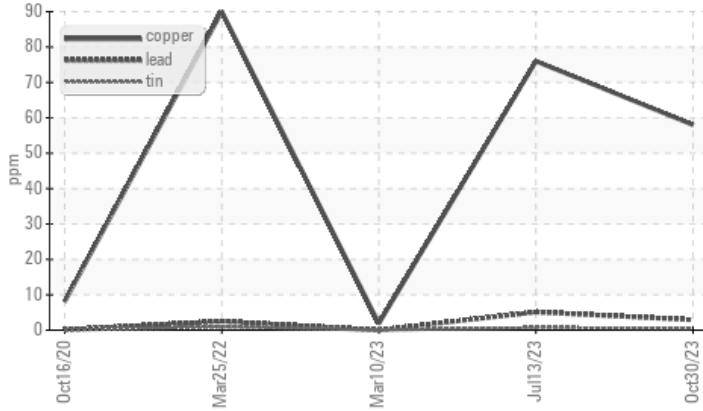
Area  
**CHEMLUBE PLUS 10**  
 Machine Id  
**SULLAIR 200611140099 - MICHAELS FINER MEATS**  
 Component  
**Compressor**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

### ▲ Non-ferrous Metals



## RECOMMENDATION

No corrective action is recommended at this time.  
 Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ATTENTION</b>	ABNORMAL	NORMAL
Copper	ppm	ASTM D5185m	>50	▲ 58	▲ 76	2

Customer Id: UCAIRSID  
 Sample No.: UCH05995813  
 Lab Number: 05995813  
 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](mailto:jhester@wearcheckusa.com)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 13 Jul 2023 Diag: Don Baldrige

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 10 Mar 2023 Diag: Jonathan Hester

#### NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 25 Mar 2022 Diag: Doug Bogart

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

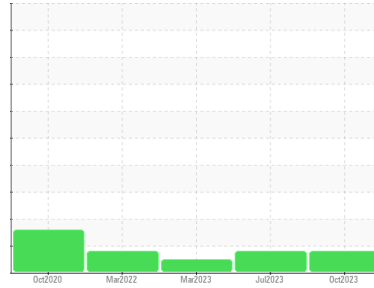
view report





# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Area  
**CHEMLUBE PLUS 10**  
 Machine Id  
**SULLAIR 200611140099 - MICHAELS FINER MEATS**  
 Component  
**Compressor**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

The copper level has decreased, but is still abnormal. All other component wear rates are normal.

### Contamination

There is no indication of any contamination 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		<b>UCH05995813</b>	UCH05900049	UCH05799796
Sample Date	Client Info		<b>30 Oct 2023</b>	13 Jul 2023	10 Mar 2023
Machine Age	hrs	Client Info	<b>121580</b>	118980	115955
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ATTENTION</b>	ABNORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>27</b>	21	<1
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	1	<1
Lead	ppm	ASTM D5185m >25	<b>3</b>	5	0
Copper	ppm	ASTM D5185m >50	<b>▲ 58</b>	<b>▲ 76</b>	2
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.1	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 0.8	<b>191</b>	169	556
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0.9	<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	2	0
Calcium	ppm	ASTM D5185m 0	<b>4</b>	4	4
Phosphorus	ppm	ASTM D5185m 409	<b>18</b>	27	0
Zinc	ppm	ASTM D5185m 0	<b>123</b>	259	10
Sulfur	ppm	ASTM D5185m 1290	<b>256</b>	342	306

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	1	2
Sodium	ppm	ASTM D5185m	<b>72</b>	85	15
Potassium	ppm	ASTM D5185m >20	<b>6</b>	4	0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.537	<b>1.50</b>	0.66	0.22

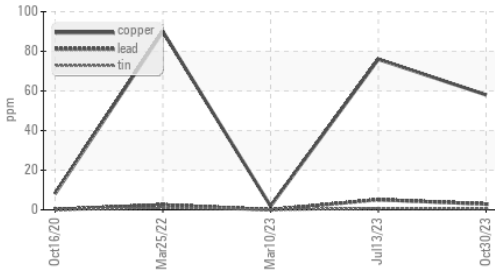
## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

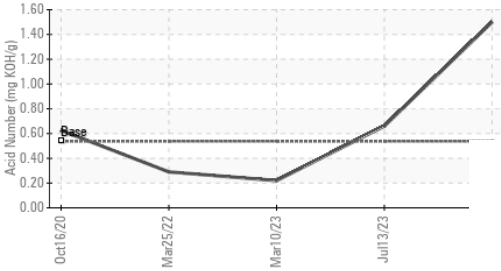


# OIL ANALYSIS REPORT

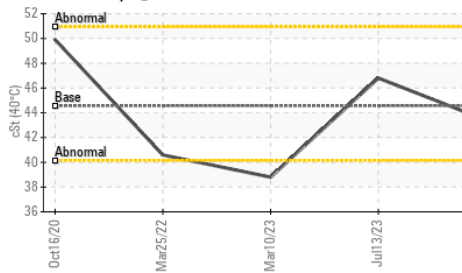
### ▲ Non-ferrous Metals



### Acid Number



### Viscosity @ 40°C



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.56	<b>43.4</b>	46.8	38.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color

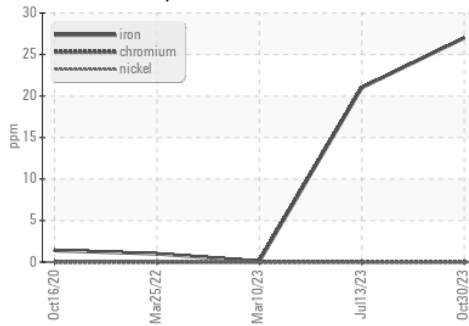


Bottom

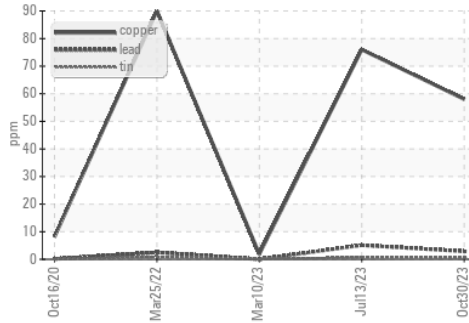


### GRAPHS

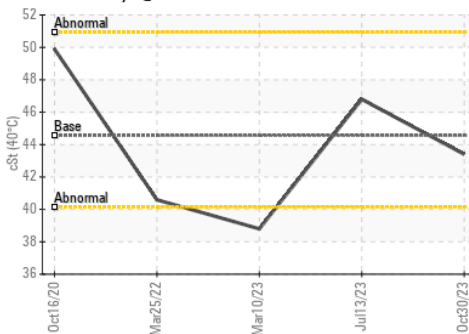
#### Ferrous Alloys



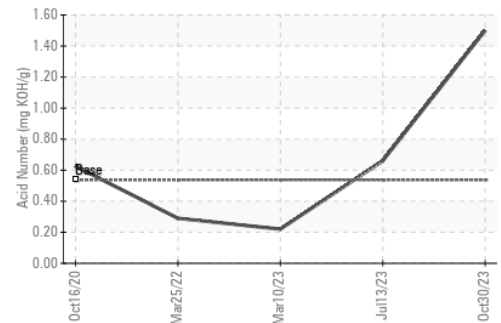
#### ▲ Non-ferrous Metals



#### Viscosity @ 40°C



#### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05995813 **Received** : 01 Nov 2023  
**Lab Number** : 05995813 **Diagnosed** : 06 Nov 2023  
**Unique Number** : 10724173 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**AIR HANDLING EQUIPMENT INC**  
 1389 RIVERSIDE DR  
 SIDNEY, OH  
 US 45365  
 Contact: CRISTI CURL  
 cristi@ahequip.net  
 T:  
 F: (937)492-3147

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)