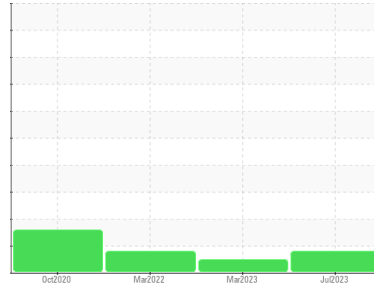# PROBLEM SUMMARY

WEAR

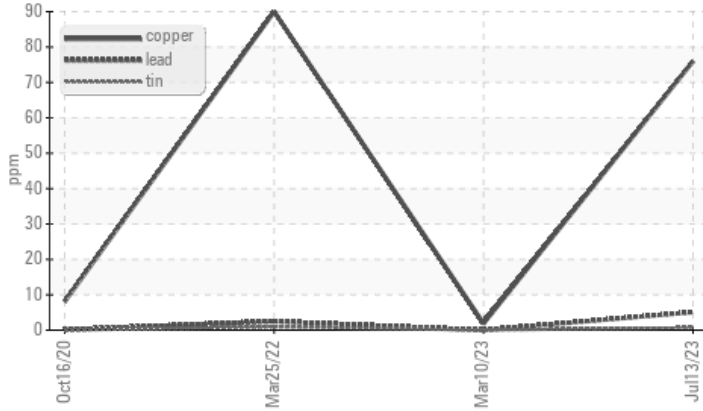Area
CHEMLUBE PLUS 10
Machine Id
SULLAIR 200611140099 - MICHAELS FINER MEATS
Component
Compressor

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					**ABNORMAL**	NORMAL	ABNORMAL
Copper	ppm	ASTM D5185m	>50		⚠ **76**	2	⚠ 90

Customer Id: UCAIRSID
Sample No.: UCH05900049
Lab Number: 05900049
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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

10 Mar 2023 Diag: Jonathan Hester

view report

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.

---

25 Mar 2022 Diag: Doug Bogart

view report

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.

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16 Oct 2020 Diag: Angela Borella

view report

WATER

We advise that you shut down the unit and follow the water drain-off procedure for this component. We recommend you service the filters on this component. We recommend an early resample in 500 hours to monitor this condition.Moderate concentration of visible metal present. All component wear rates are normal. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.
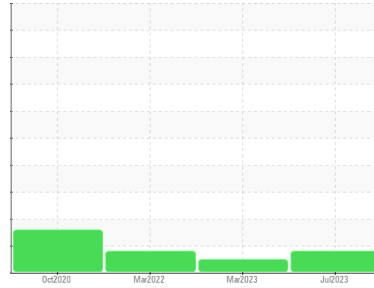

Sample Rating Trend

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 is 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		**UCH05900049**	UCH05799796	UCH05510867
Sample Date		Client Info		**13 Jul 2023**	10 Mar 2023	25 Mar 2022
Machine Age	hrs	Client Info		**118980**	115955	107582
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	NORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	**21**	<1	1
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**0**	0	<1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	<1
Aluminum	ppm	ASTM D5185m	>25	**1**	<1	<1
Lead	ppm	ASTM D5185m	>25	**5**	0	2
Copper	ppm	ASTM D5185m	>50	⚠️ **76**	2	⚠️ 90
Tin	ppm	ASTM D5185m	>15	**<1**	0	<1
Antimony	ppm	ASTM D5185m		**---**	---	---
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.1	**0**	0	<1
Barium	ppm	ASTM D5185m	0.8	**169**	556	49
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m	0.9	**<1**	0	<1
Magnesium	ppm	ASTM D5185m	0	**2**	0	0
Calcium	ppm	ASTM D5185m	0	**4**	4	6
Phosphorus	ppm	ASTM D5185m	409	**27**	0	45
Zinc	ppm	ASTM D5185m	0	**259**	10	53
Sulfur	ppm	ASTM D5185m	1290	**342**	306	181

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**1**	2	4
Sodium	ppm	ASTM D5185m		**85**	15	21
Potassium	ppm	ASTM D5185m	>20	**4**	0	<1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.537	**0.66**	0.22	0.29

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

OIL ANALYSIS REPORT

Non-ferrous Metals

- copper
- lead
- tin
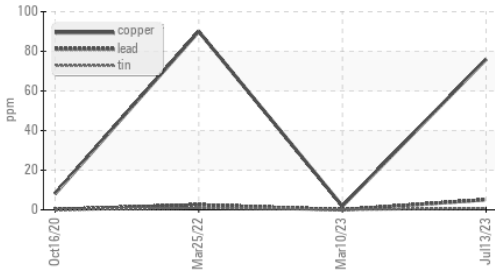
Acid Number
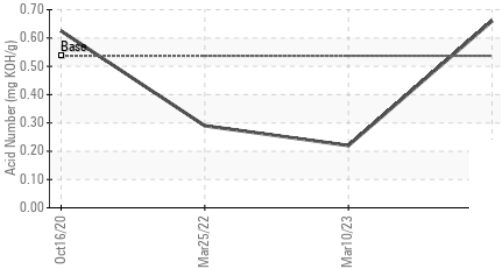
Viscosity @ 40°C
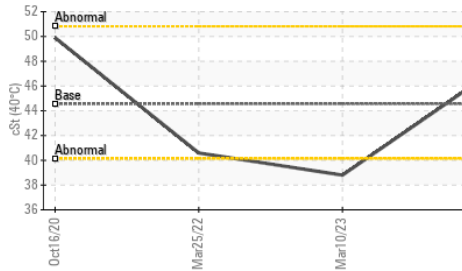
FLUID PROPERTIES

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C cSt	ASTM D445	44.56	**46.8**	38.8	40.59

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

Ferrous Alloys

- iron
- chromium
- nickel

Non-ferrous Metals

- copper
- lead
- tin
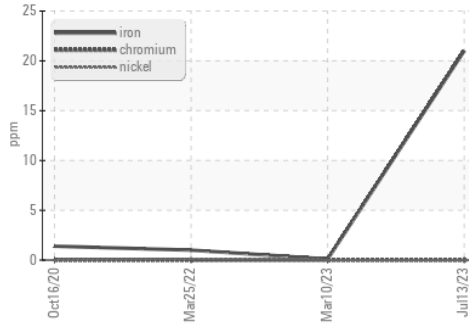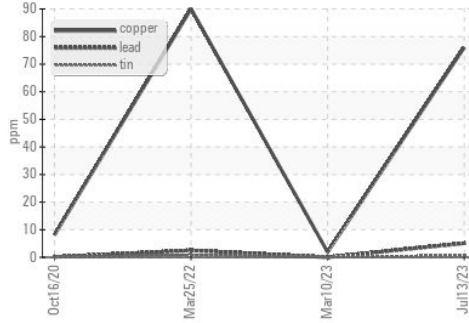
Viscosity @ 40°C

Acid Number
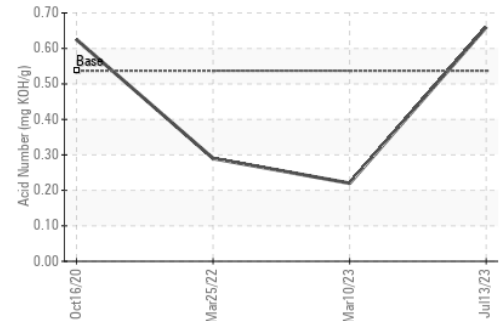
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