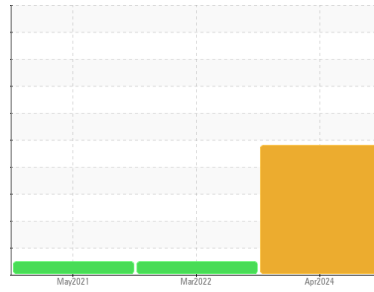




# PROBLEM SUMMARY

## Sample Rating Trend

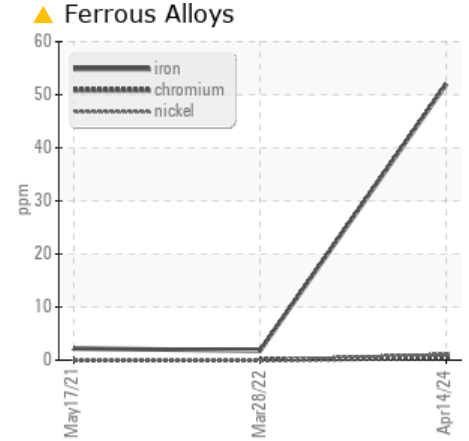
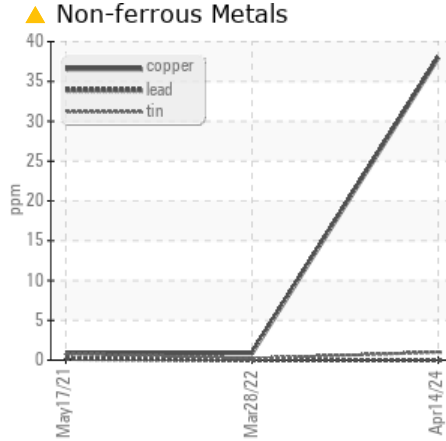
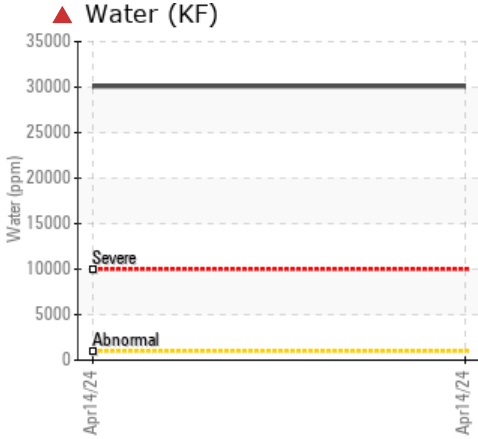


WATER



Machine Id  
**SULLAIR 003-111086 - CPP**  
 Component  
**Compressor**  
 Fluid  
**SULLAIR SULLUBE (--- QTS)**

## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	▲ 52	2	2
Copper	ppm	ASTM D5185m	>50	▲ 38	<1	<1
Water	%	ASTM D6304	>0.1	▲ 3.01	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 30100	---	---
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	NEG	NEG

Customer Id: JOHEAG  
 Sample No.: WC0930731  
 Lab Number: 06156165  
 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

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.
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

NORMAL



### 28 Mar 2022 Diag: Doug Bogart

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



NORMAL



### 17 May 2021 Diag: Doug Bogart

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.

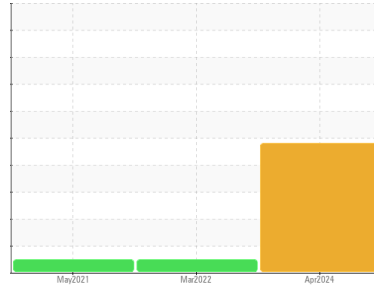
view report





# OIL ANALYSIS REPORT

## Sample Rating Trend



WATER



Machine Id  
**SULLAIR 003-111086 - CPP**  
 Component  
**Compressor**  
 Fluid  
**SULLAIR SULLUBE (--- QTS)**

### DIAGNOSIS

#### ▲ Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### ▲ Wear

The iron level is abnormal. The copper level is abnormal.

#### ▲ Contamination

There is a high concentration of water present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0930731</b>	WC0608979	WC05257461
Sample Date	Client Info		<b>14 Apr 2024</b>	28 Mar 2022	17 May 2021
Machine Age	hrs	Client Info	<b>48550</b>	42204	38397
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Changed</b>	N/A	N/A
Sample Status			<b>SEVERE</b>	NORMAL	NORMAL

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	▲ <b>52</b>	2	2
Chromium	ppm	ASTM D5185m >10	<1	0	0
Nickel	ppm	ASTM D5185m	<b>1</b>	0	<1
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>3</b>	<1	<1
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >50	▲ <b>38</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>1</b>	<1	<1
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>3</b>	<1	2
Barium	ppm	ASTM D5185m 745	<b>256</b>	426	260
Molybdenum	ppm	ASTM D5185m 0.0	<1	0	0
Manganese	ppm	ASTM D5185m	<b>1</b>	0	<1
Magnesium	ppm	ASTM D5185m 0.0	<b>2</b>	0	<1
Calcium	ppm	ASTM D5185m 1	<b>5</b>	<1	1
Phosphorus	ppm	ASTM D5185m 3	<b>24</b>	26	31
Zinc	ppm	ASTM D5185m 0.1	<b>14</b>	14	27
Sulfur	ppm	ASTM D5185m 240	<b>175</b>	201	116

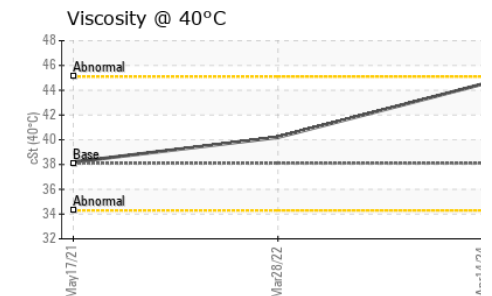
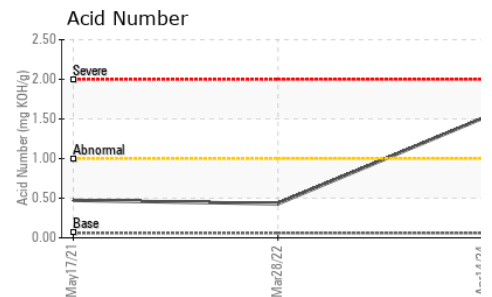
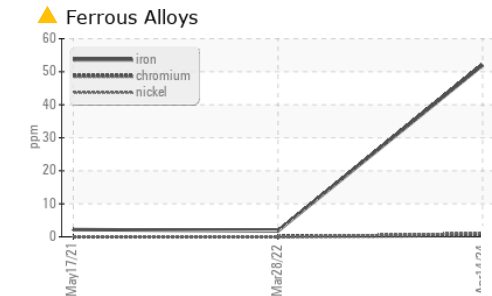
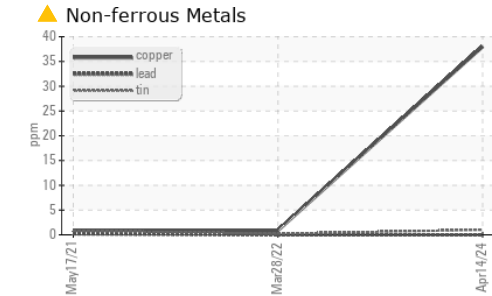
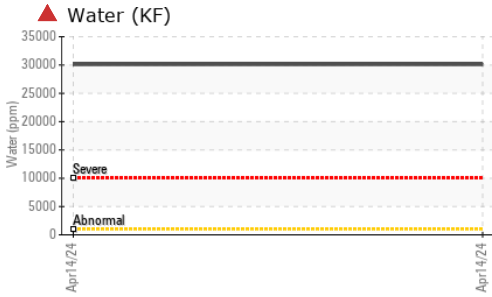
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>4</b>	1	2
Sodium	ppm	ASTM D5185m	<b>21</b>	45	42
Potassium	ppm	ASTM D5185m >20	<b>3</b>	2	1
Water	%	ASTM D6304 >0.1	▲ <b>3.01</b>	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ <b>30100</b>	---	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	<b>1.51</b>	0.43	0.473

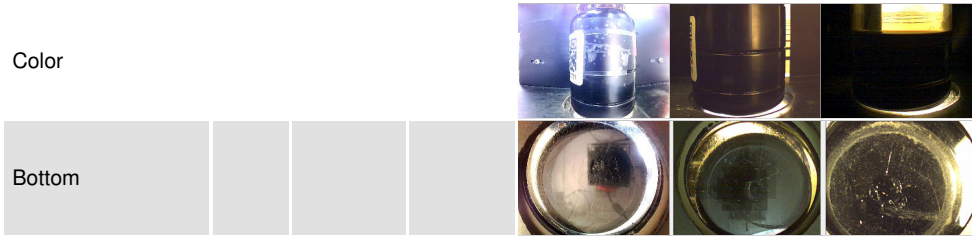
# OIL ANALYSIS REPORT



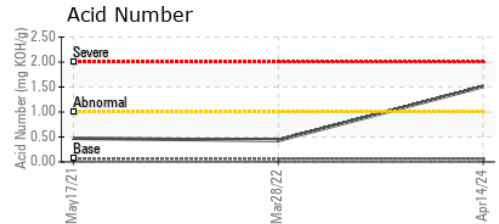
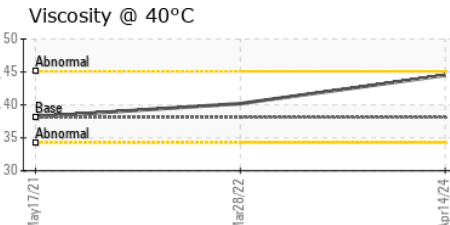
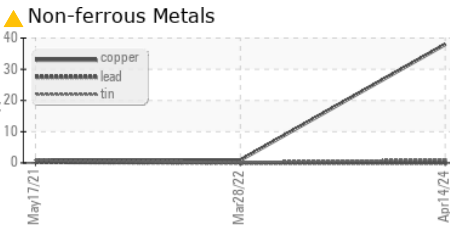
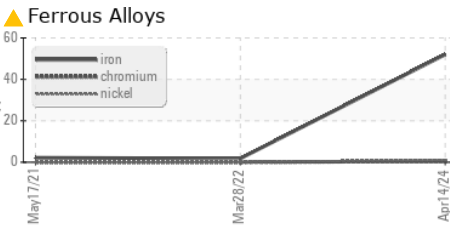
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	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>▲ 0.2%</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	38.1	<b>44.5</b>	40.2	38.2

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.** : WC0930731      **Received** : 22 Apr 2024  
**Lab Number** : **06156165**      **Tested** : 24 Apr 2024  
**Unique Number** : 10991588      **Diagnosed** : 24 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF )

**JOHN HENRY FOSTER MINNESOTA INC.**  
 3103 MIKE COLLINS DRIVE  
 EAGAN, MN  
 US 55121  
 Contact: MARTY ADAM  
 marty.adam@jhfooster.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)

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