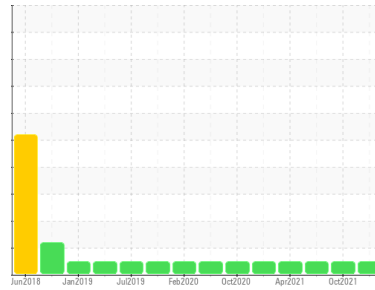




# OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

## SULLUBE

Machine Id

# SULLAIR 201305060066 - DOE RUN

Component

## Compressor

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH05468854</b>	UCH05396371	UCH05302545
Sample Date	Client Info		<b>01 Feb 2022</b>	12 Oct 2021	07 Jul 2021
Machine Age	hrs	Client Info	<b>67940</b>	65252	62965
Oil Age	hrs	Client Info	<b>1000</b>	8000	6000
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	<b>2</b>	1	3
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m	>25	<b>2</b>	3	5
Copper	ppm	ASTM D5185m	>50	<b>3</b>	3	4
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	1
Antimony	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0

### ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>2</b>	4	0
Barium	ppm	ASTM D5185m	745	<b>531</b>	362	357
Molybdenum	ppm	ASTM D5185m	0.0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0.0	<b>3</b>	3	6
Calcium	ppm	ASTM D5185m	1	<b>10</b>	12	17
Phosphorus	ppm	ASTM D5185m	3	<b>12</b>	6	3
Zinc	ppm	ASTM D5185m	0.1	<b>2</b>	6	5
Sulfur	ppm	ASTM D5185m	240	<b>288</b>	369	792

### CONTAMINANTS

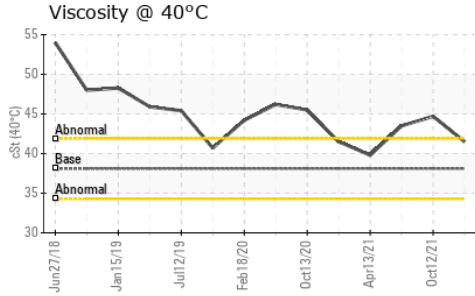
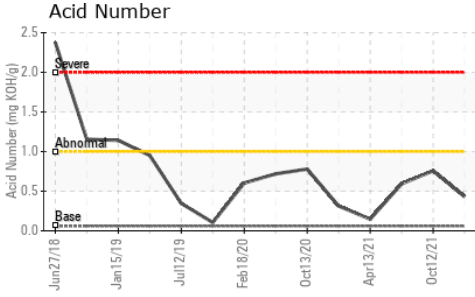
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<b>1</b>	2	2
Sodium	ppm	ASTM D5185m		<b>60</b>	71	84
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	7	6

### FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	.06	<b>0.43</b>	0.758	0.593



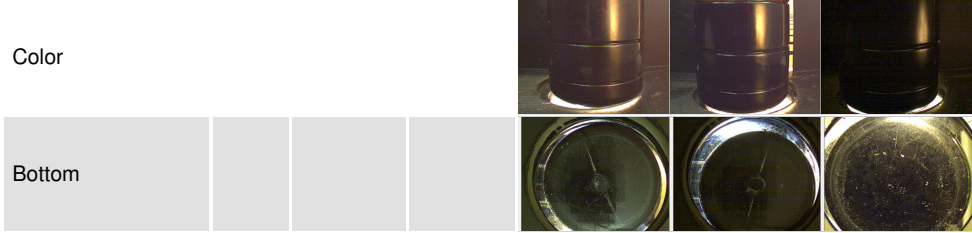
# OIL ANALYSIS REPORT



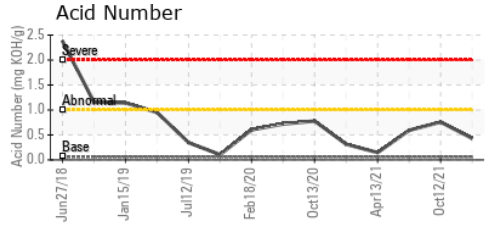
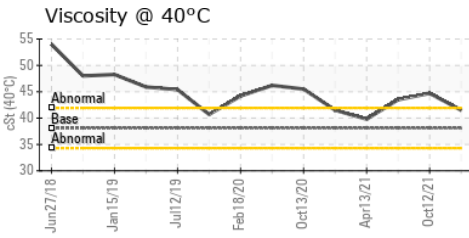
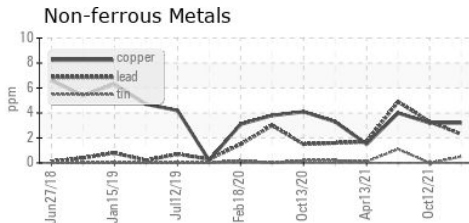
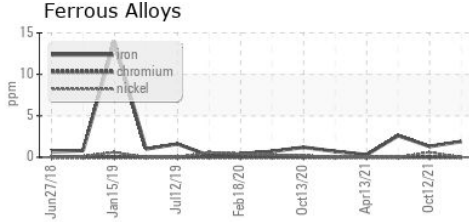
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	LIGHT	MODER
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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	38.1	<b>41.5</b>	44.7	43.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05468854      **Received** : 15 Feb 2022  
**Lab Number** : **05468854**      **Tested** : 16 Feb 2022  
**Unique Number** : 9853067      **Diagnosed** : 16 Feb 2022 - Don Baldrige  
**Test Package** : IND 2

**JOHN HENRY FOSTER COMPANY**  
 4700 LEBOURGET STREET  
 SAINT LOUIS, MO  
 US 63134  
 Contact: RACHEL VON HATTEN  
 rvonhatten@jhfc.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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