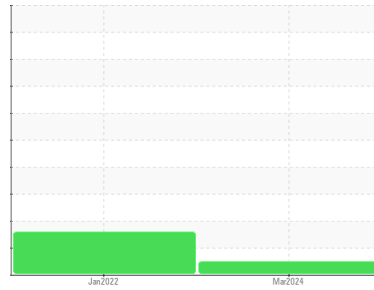




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**HC-SYN-5**

Machine Id

**SULLAIR 201808060083**

Component

**Compressor**

## DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. 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 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>UAC06140018</b>	UCH05458406	---
Sample Date	Client Info			<b>20 Mar 2024</b>	11 Jan 2022	---
Machine Age	hrs	Client Info		<b>6632</b>	3867	---
Oil Age	hrs	Client Info		<b>0</b>	45	---
Oil Changed	Client Info			<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

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

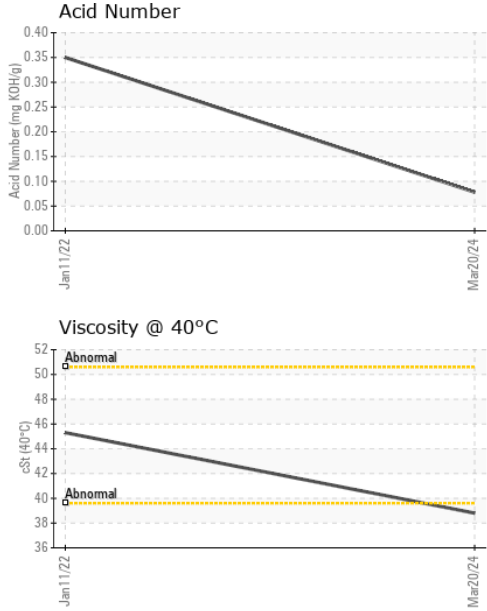
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>6</b>	2	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m		<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	1	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Antimony	ppm	ASTM D5185m		<b>---</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	<1	---
Barium	ppm	ASTM D5185m		<b>562</b>	42	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>4</b>	<1	---
Calcium	ppm	ASTM D5185m		<b>4</b>	2	---
Phosphorus	ppm	ASTM D5185m		<b>14</b>	300	---
Zinc	ppm	ASTM D5185m		<b>3</b>	<1	---
Sulfur	ppm	ASTM D5185m		<b>337</b>	737	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>4</b>	▲ 33	---
Sodium	ppm	ASTM D5185m		<b>16</b>	16	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.078</b>	0.35	---

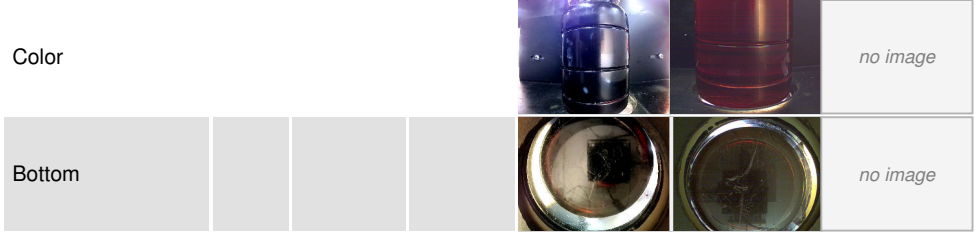
# OIL ANALYSIS REPORT



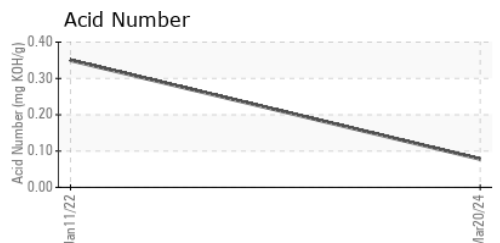
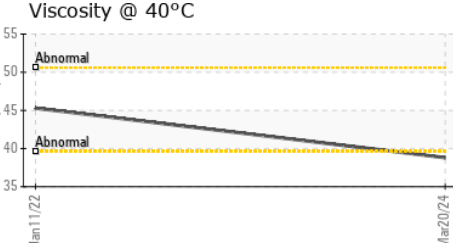
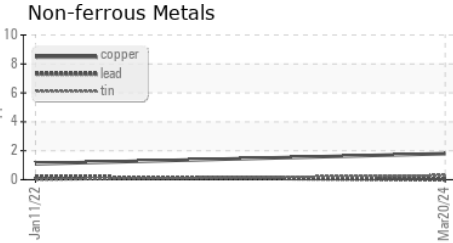
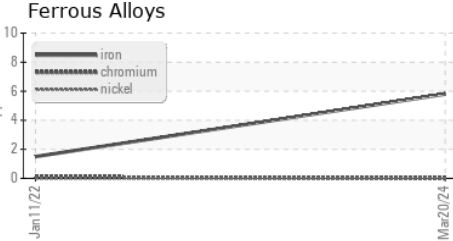
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>38.8</b>	45.3	---

### SAMPLE IMAGES



### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UAC06140018      **Received** : 05 Apr 2024  
**Lab Number** : **06140018**      **Tested** : 08 Apr 2024  
**Unique Number** : 10964826      **Diagnosed** : 08 Apr 2024 - Don Baldrige  
**Test Package** : IND 2

**ATLANTA AIR COMPRESSOR**  
 123 MERCHANTS PARK DR  
 HOSCHTON, GA  
 US 30548  
 Contact: Derik Bray  
 Derik@atlantaaircompressor.com  
 T: (470)252-9952  
 F: x:

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)