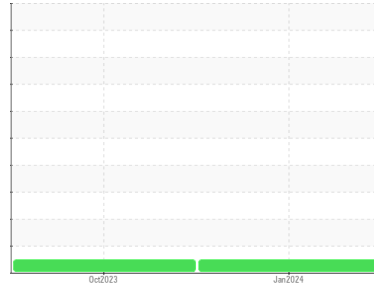




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**SULLUBE**  
 Machine Id  
**SULLAIR 201311130040 - VEOLIA**  
 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 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>UCH06075975</b>	UCH05986626	---
Sample Date	Client Info		<b>30 Jan 2024</b>	03 Oct 2023	---
Machine Age	hrs	Client Info	<b>47133</b>	45480	---
Oil Age	hrs	Client Info	<b>8000</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Not Changd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## 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>4</b>	12	---
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</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>	0	---
Barium	ppm	ASTM D5185m 745	<b>506</b>	604	---
Molybdenum	ppm	ASTM D5185m 0.0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 0.0	<b>3</b>	0	---
Calcium	ppm	ASTM D5185m 1	<b>2</b>	0	---
Phosphorus	ppm	ASTM D5185m 3	<b>5</b>	0	---
Zinc	ppm	ASTM D5185m 0.1	<b>0</b>	<1	---
Sulfur	ppm	ASTM D5185m 240	<b>320</b>	275	---

## CONTAMINANTS

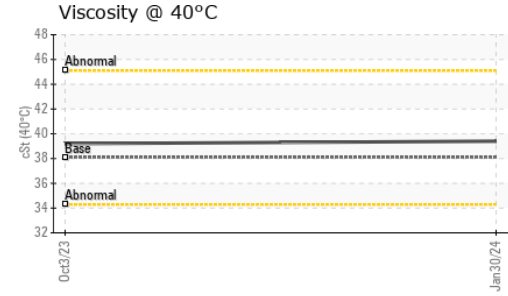
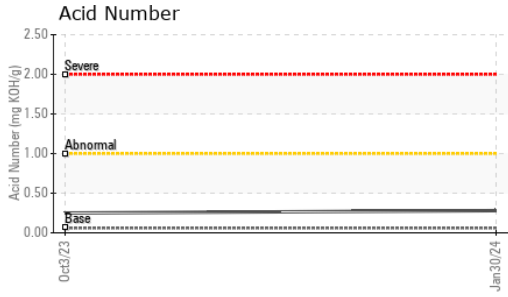
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>1</b>	<1	---
Sodium	ppm	ASTM D5185m	<b>26</b>	20	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	4	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	<b>0.28</b>	0.25	---



# OIL ANALYSIS REPORT





VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	38.1	<b>39.4</b>	39.2	---



SAMPLE IMAGES	method	limit/base	current	history1	history2
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**Color**

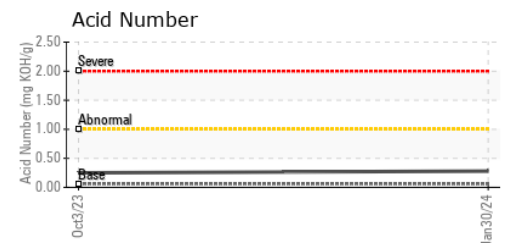
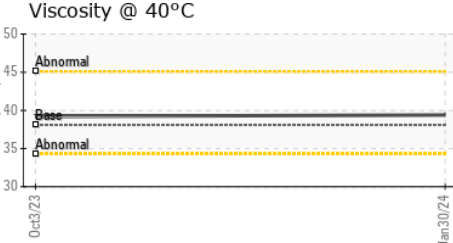
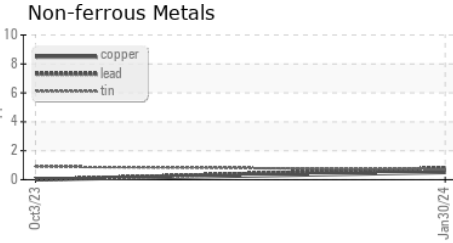
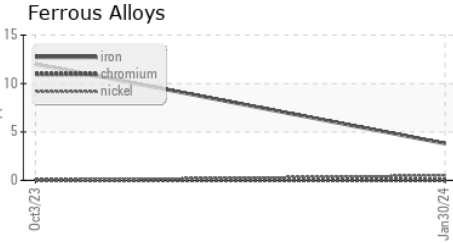
no image

**Bottom**

no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06075975 **Received** : 31 Jan 2024  
**Lab Number** : **06075975** **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10858066 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**TATE ENGINEERING**  
 8131 VIRGINIA PINE CT  
 RICHMOND, VA  
 US 23237  
 Contact: JOE MYRICK  
 JOE.MYRICK@TATE.COM  
 T: (804)339-0007  
 F: (804)743-0415

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)