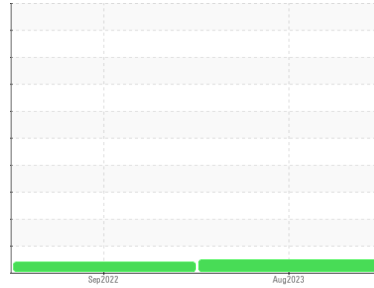




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**CARRIER CIRCUIT B - CENTRAL REGIONAL HOSPITAL (S/N 1308q92404)**  
 Component  
**Screw Compressor**  
 Fluid  
**CARRIER (7 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Note that there appears to be a discrepancy in the total time on this component, when compared to the historical data.

### 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 acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0853651</b>	WC0672643	---
Sample Date	Client Info		<b>28 Aug 2023</b>	15 Sep 2022	---
Machine Age	hrs	Client Info	<b>50487</b>	70814	---
Oil Age	hrs	Client Info	<b>50487</b>	47192	---
Oil Changed	Client Info		<b>Not Chngd</b>	Filtered	---
Sample Status			<b>NORMAL</b>	MARGINAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >60	<b>4</b>	5	---
Chromium	ppm	ASTM D5185m >4	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >30	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m	<b>6</b>	0	---
Calcium	ppm	ASTM D5185m	<b>0</b>	0	---
Phosphorus	ppm	ASTM D5185m	<b>25</b>	27	---
Zinc	ppm	ASTM D5185m	<b>12</b>	0	---
Sulfur	ppm	ASTM D5185m	<b>0</b>	0	---

## CONTAMINANTS

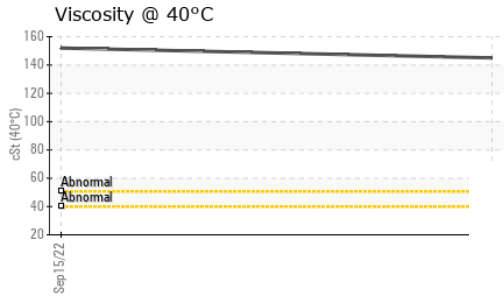
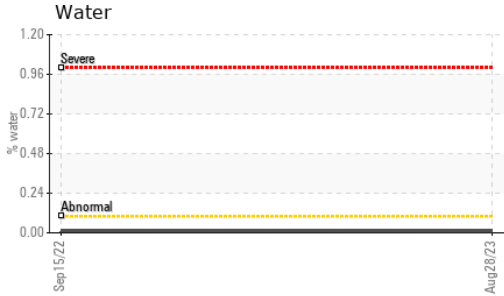
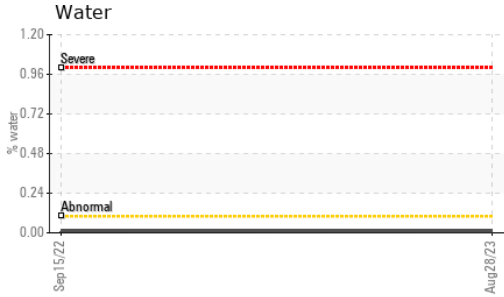
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	0	---
Water	%	ASTM D6304 >0.1	<b>0.011</b>	0.012	---
ppm Water	ppm	ASTM D6304 >1000	<b>110.3</b>	123.5	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.016</b>	0.014	---



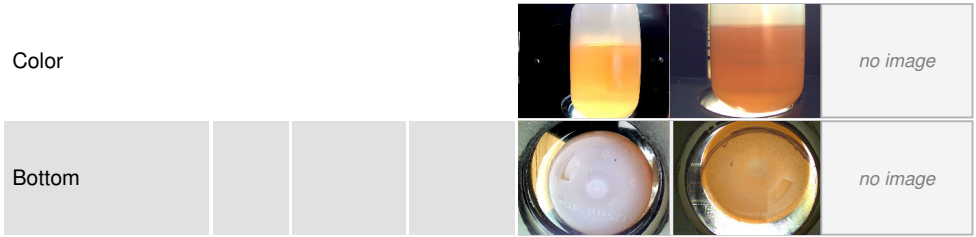
# OIL ANALYSIS REPORT



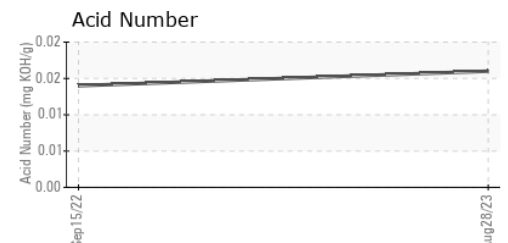
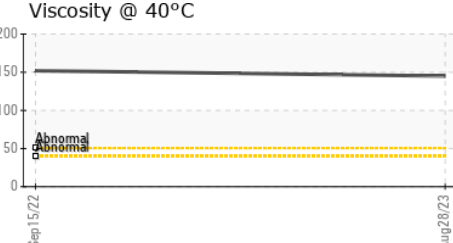
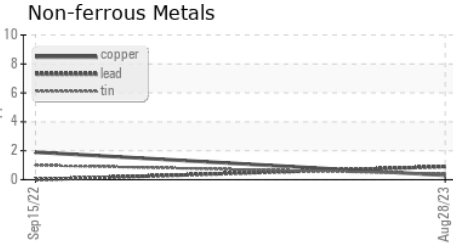
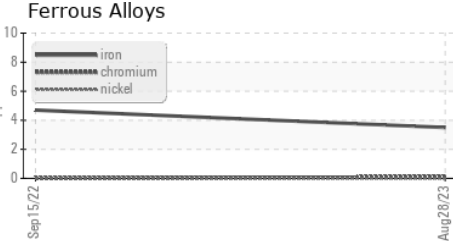
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	145	▲ 152	---

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.** : WC0853651 **Received** : 29 Aug 2023  
**Lab Number** : 05937307 **Diagnosed** : 30 Aug 2023  
**Unique Number** : 10622578 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**SCHNEIDER ELECTRIC**  
 PO DRAWER 185  
 MORRISVILLE, NC  
 US 27560  
 Contact: MARK SORRELL  
 mark.sorrell@se.com  
 T: (919)467-0106  
 F: (919)467-7466

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)