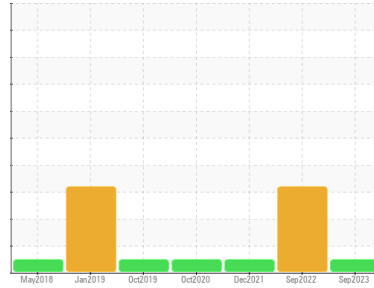




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**ACI 46 PG**

Machine Id

**SULLAIR 201212140017 - TILE SHOP**

Component

**Compressor**

## DIAGNOSIS

### Recommendation

We suspect abnormal contamination may be due to sampling method. 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 a moderate amount of visible silt present in the sample.

### 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>UCH05967894</b>	UCH05680590	UCH05427162
Sample Date	Client Info		<b>19 Sep 2023</b>	28 Sep 2022	08 Dec 2021
Machine Age	hrs	Client Info	<b>25680</b>	23814	22263
Oil Age	hrs	Client Info	<b>3417</b>	1551	3000
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

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

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>33</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185m	<b>6</b>	0	2
Calcium	ppm	ASTM D5185m	<b>6</b>	0	3
Phosphorus	ppm	ASTM D5185m	<b>350</b>	115	362
Zinc	ppm	ASTM D5185m	<b>77</b>	0	52
Sulfur	ppm	ASTM D5185m	<b>141</b>	0	85

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>3</b>	4	2
Sodium	ppm	ASTM D5185m	<b>40</b>	3	23
Potassium	ppm	ASTM D5185m >20	<b>4</b>	0	<1

## FLUID DEGRADATION

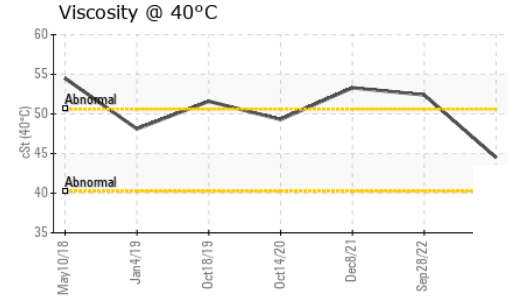
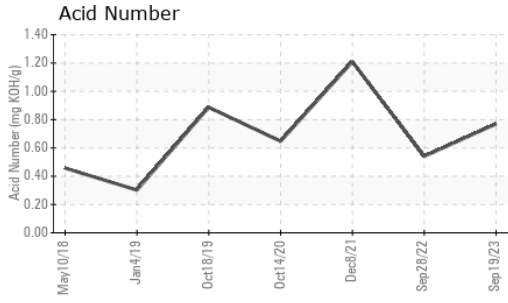
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.77</b>	0.54	1.209

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</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>MODER</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>NEG</b>	▲ 0.2%	NEG
Free Water	scalar	*Visual	<b>NEG</b>	▲ 0.1%	NEG

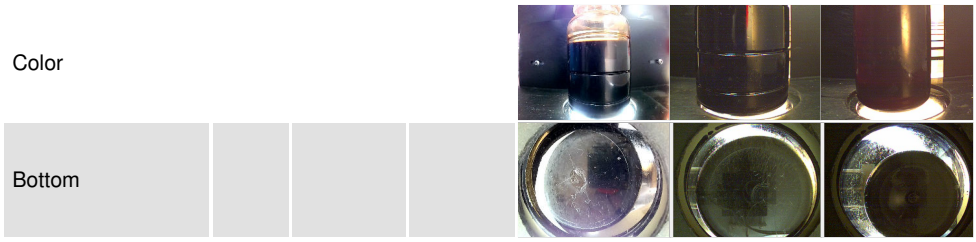


# OIL ANALYSIS REPORT

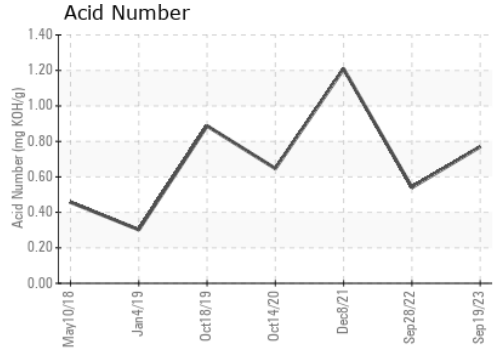
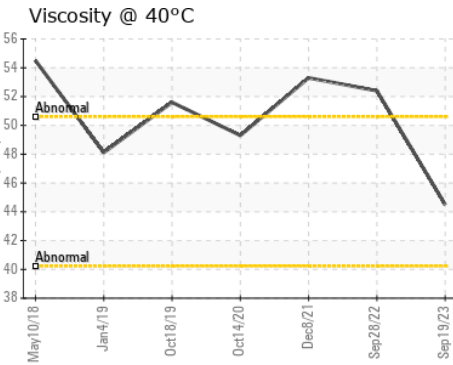
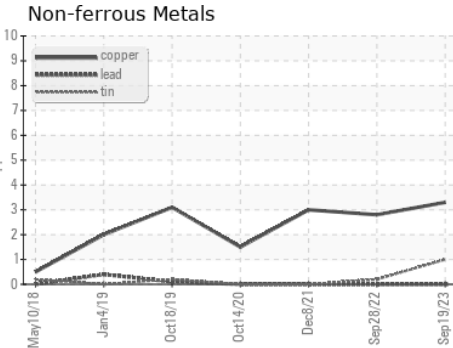
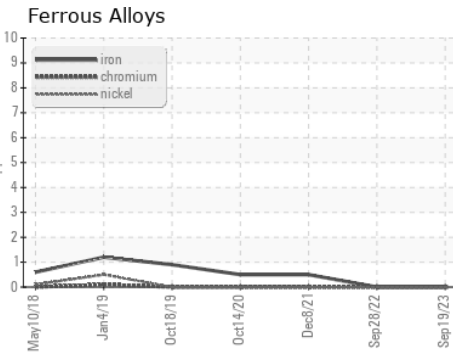


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		44.5	52.4	53.3

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05967894 **Received** : 03 Oct 2023  
**Lab Number** : 05967894 **Diagnosed** : 05 Oct 2023  
**Unique Number** : 10674445 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**ATLANTIC COMPRESSORS**  
 2144 SALEM INDUSTRIAL DRIVE  
 SALEM, VA  
 US 24153  
 Contact: BILL RIMER  
 bill@atlanticcompressors.com  
 T: (540)728-1147  
 F: (757)216-0134

Certificate L2367  
 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)