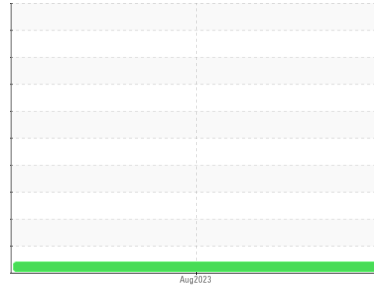




# PROBLEM SUMMARY

Sample Rating Trend



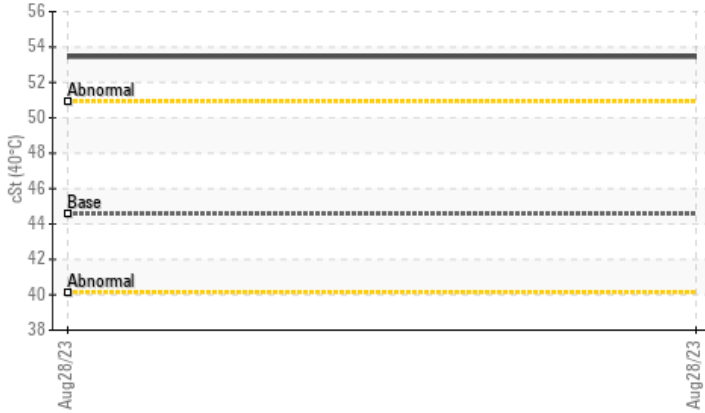
VISCOSITY



Area  
**PLUS 10 [1393005]**  
Machine Id  
**ATLAS COPCO AII480-822 - APTIV WARREN**  
Component  
**Compressor**

## COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	---	---
Visc @ 40°C	cSt	ASTM D445	44.56	▲ 53.46	---	---

Customer Id: UCAIRCLE  
Sample No.: UCH05962278  
Lab Number: 05962278  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

To change component or sample information:  
Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Area

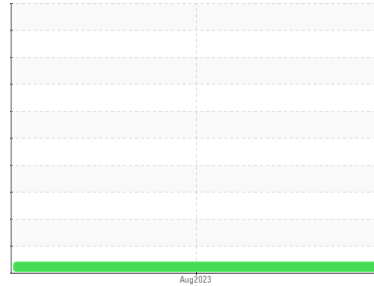
**PLUS 10 [1393005]**

Machine Id

**ATLAS COPCO AII480-822 - APTIV WARREN**

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 oil viscosity is higher than normal. The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>UCH05962278</b>	---	---
Sample Date	Client Info	<b>28 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>69369</b>	---
Oil Age	hrs	Client Info	<b>8000</b>	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m		<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>15	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>65	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>65	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	0.1	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	0.8	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	0.9	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	---	---
Calcium	ppm	ASTM D5185m	0	<b>&lt;1</b>	---	---
Phosphorus	ppm	ASTM D5185m	409	<b>0</b>	---	---
Zinc	ppm	ASTM D5185m	0	<b>0</b>	---	---
Sulfur	ppm	ASTM D5185m	1290	<b>10</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>35	<b>0</b>	---	---
Sodium	ppm	ASTM D5185m		<b>0</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---

## FLUID DEGRADATION

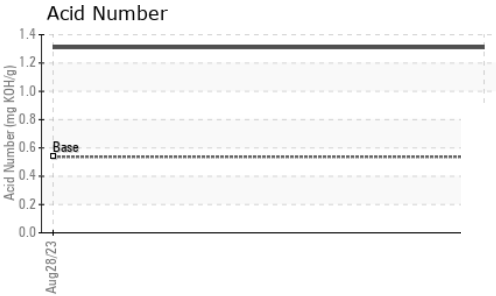
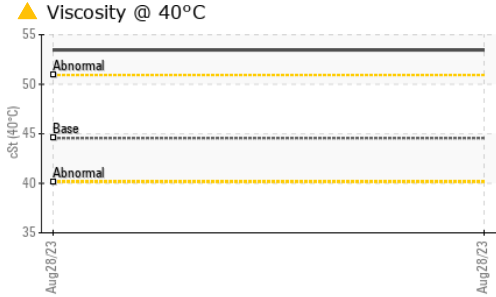
method	limit/base	current	history1	history2		
Acid Number (AN)	mg KOH/g	ASTM D8045	0.537	<b>1.31</b>	---	---

## VISUAL

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



# OIL ANALYSIS REPORT

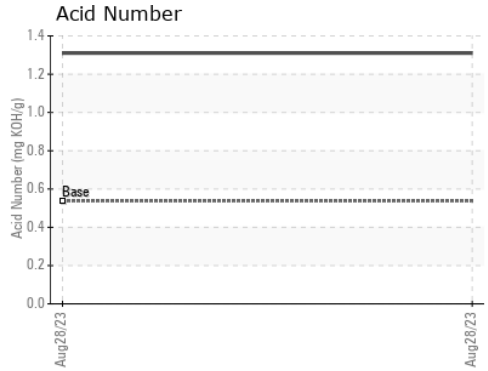
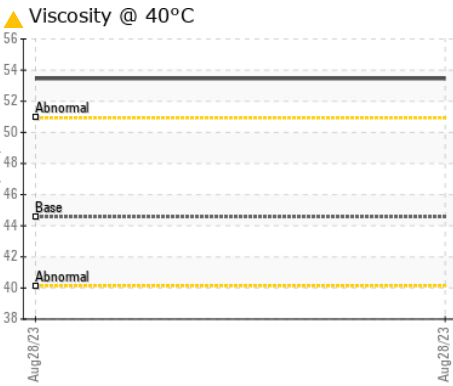
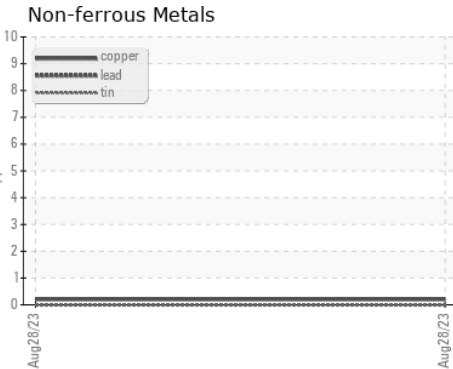
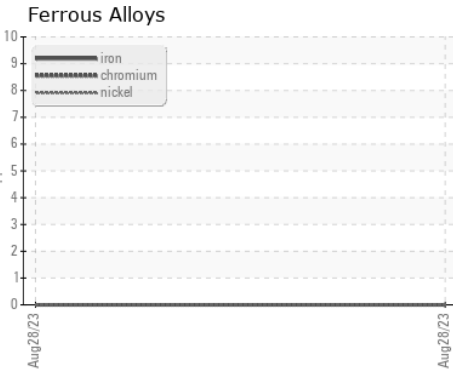


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	53.46	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05962278 **Received** : 27 Sep 2023  
**Lab Number** : 05962278 **Diagnosed** : 03 Oct 2023  
**Unique Number** : 10668829 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**AIR TECHNOLOGIES INC (CLE)**  
 6500 DAVIS INDUSTRIAL PARKWAY  
 CLEVELAND, OH  
 US 44139  
 Contact: CHRIS HINDERER  
 CHRIS.HINDERERE@AIRCOMPRESSORS.COM  
 T:  
 F: (440)349-0608

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)