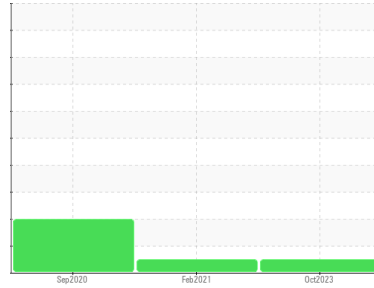




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**AC-SYN**  
 Machine Id  
**ATLAS COPCO ITJ046668 - T.I.**  
 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>UCH05995777</b>	UCS05269413	UCS05078275
Sample Date	Client Info			<b>02 Oct 2023</b>	09 Feb 2021	22 Sep 2020
Machine Age	hrs	Client Info		<b>13542</b>	7343	6320
Oil Age	hrs	Client Info		<b>3211</b>	7343	0
Oil Changed	Client Info			<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	5
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>65	<b>0</b>	2	<1
Copper	ppm	ASTM D5185m	>65	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185m		<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	<1
Calcium	ppm	ASTM D5185m		<b>0</b>	0	1
Phosphorus	ppm	ASTM D5185m		<b>367</b>	182	23
Zinc	ppm	ASTM D5185m		<b>38</b>	9	5
Sulfur	ppm	ASTM D5185m		<b>116</b>	4	75

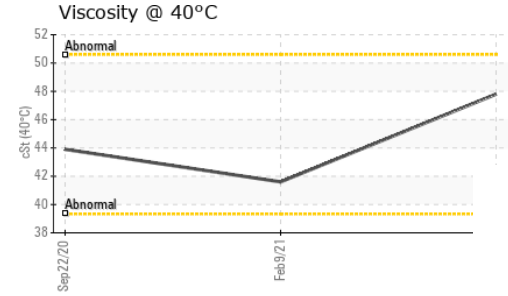
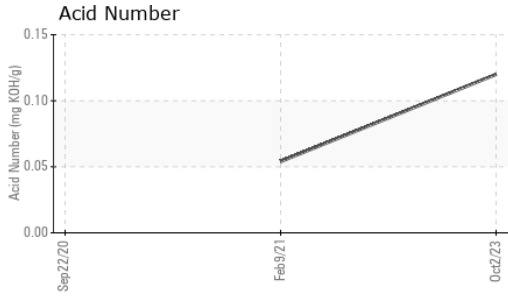
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>&lt;1</b>	2	2
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.12</b>	0.054	---

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

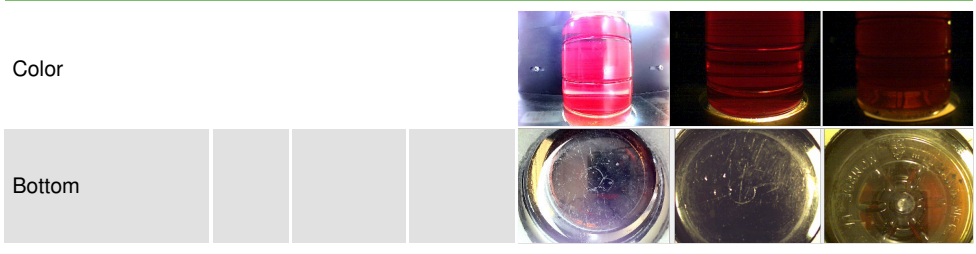


# OIL ANALYSIS REPORT

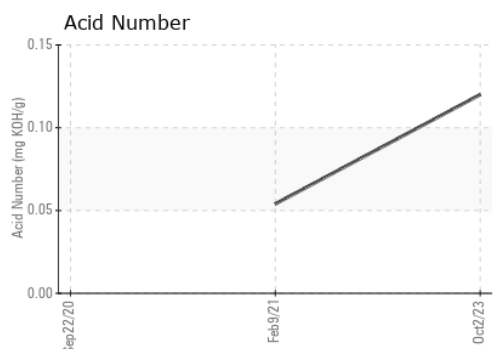
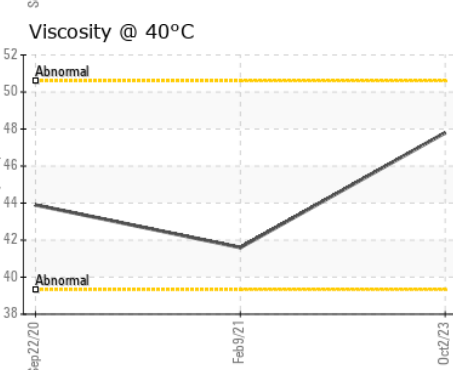
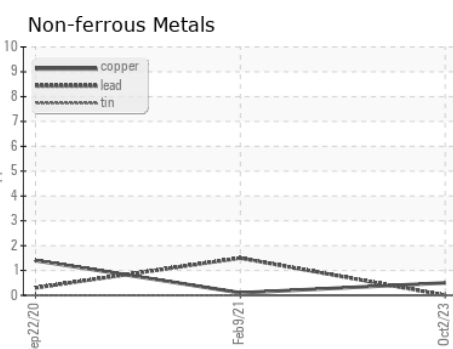
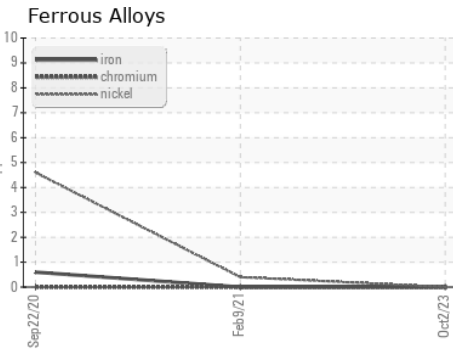


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.8	41.6	43.9

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05995777 **Received** : 01 Nov 2023  
**Lab Number** : 05995777 **Diagnosed** : 02 Nov 2023  
**Unique Number** : 10724137 **Diagnostician** : 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:

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)