



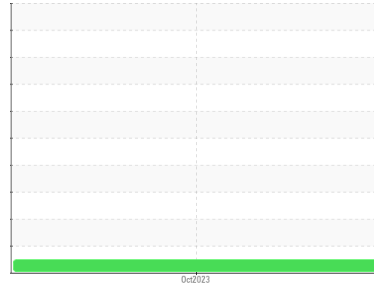
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**PLUS 10**  
 Machine Id  
**ATLAS COPCO API623287**  
 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 condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>UCH05999114</b>	---	---
Sample Date	Client Info	<b>28 Oct 2023</b>	---	---
Machine Age	hrs Client Info	<b>43545</b>	---	---
Oil Age	hrs Client Info	<b>3465</b>	---	---
Oil Changed	Client Info	<b>Not Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	<b>&lt;1</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>7</b>	---	---
Lead ppm ASTM D5185m	>65	<b>0</b>	---	---
Copper ppm ASTM D5185m	>65	<b>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>0</b>	---	---
Calcium ppm ASTM D5185m	0	<b>0</b>	---	---
Phosphorus ppm ASTM D5185m	409	<b>136</b>	---	---
Zinc ppm ASTM D5185m	0	<b>10</b>	---	---
Sulfur ppm ASTM D5185m	1290	<b>78</b>	---	---

## CONTAMINANTS

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

## FLUID DEGRADATION

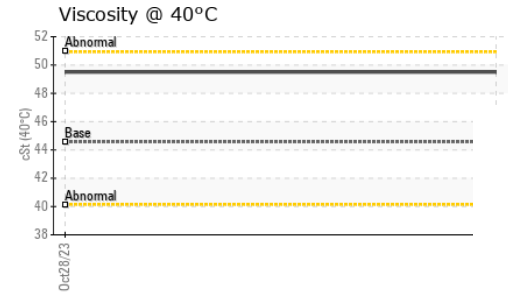
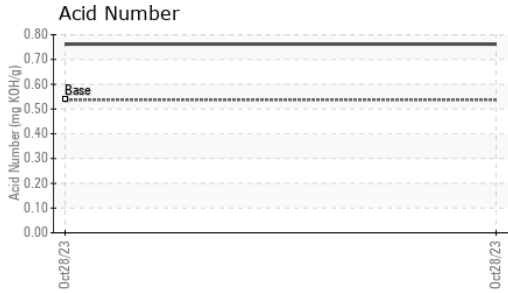
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D8045	0.537	<b>0.762</b>	---	---

## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>LIGHT</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

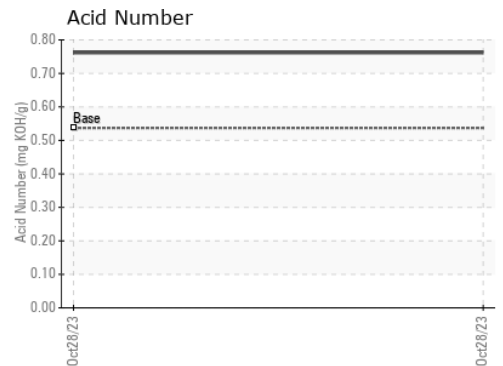
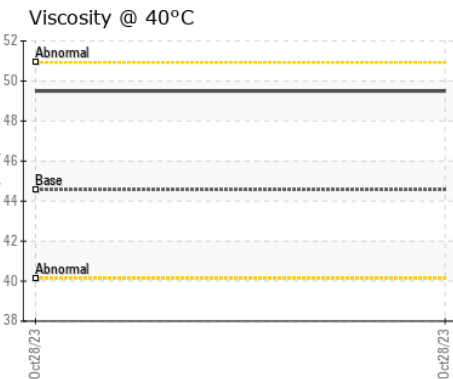
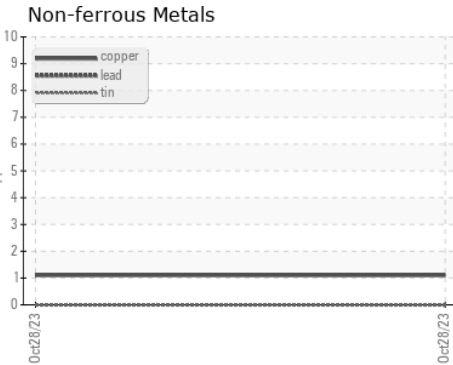
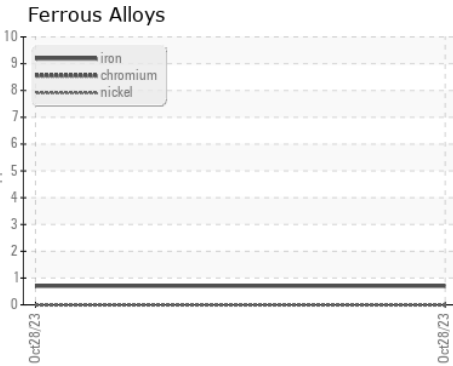


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.56	49.5	---

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. : UCH05999114 Received : 06 Nov 2023  
 Lab Number : 05999114 Diagnosed : 07 Nov 2023  
 Unique Number : 10727474 Diagnostician : Angela Borella  
 Test Package : IND 2

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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)