



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**ROTO XTEND [664712]**  
 Machine Id  
**ATLAS COPCO API430382 - CORE CUTTER**  
 Component  
**Compressor**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06062103	---	---
Sample Date		Client Info		10 Jan 2024	---	---
Machine Age	hrs	Client Info		70143	---	---
Oil Age	hrs	Client Info		8623	---	---
Filter Age	hrs	Client Info		8623	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	---	---
Chromium	ppm	ASTM D5185m	>5	0	---	---
Nickel	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>15	0	---	---
Lead	ppm	ASTM D5185m	>65	0	---	---
Copper	ppm	ASTM D5185m	>65	1	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

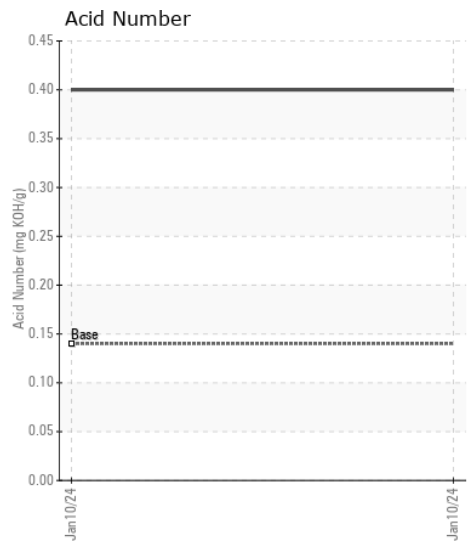
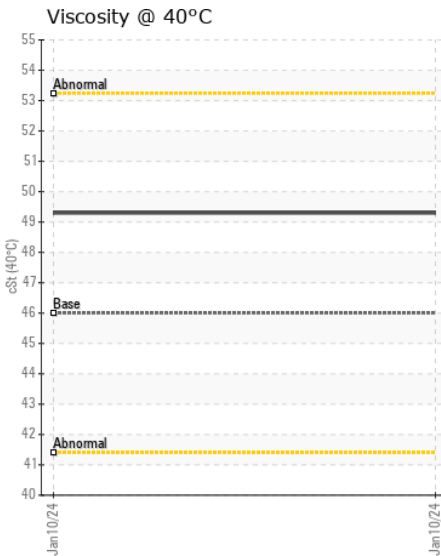
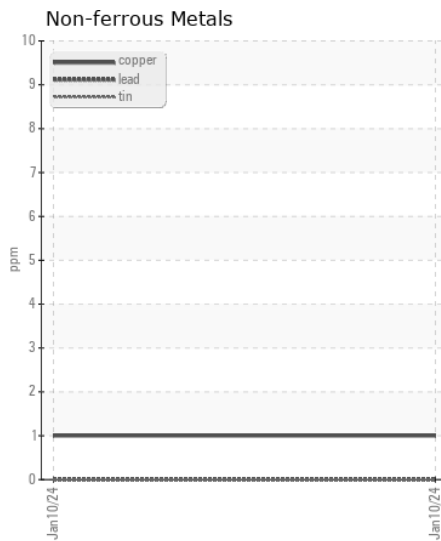
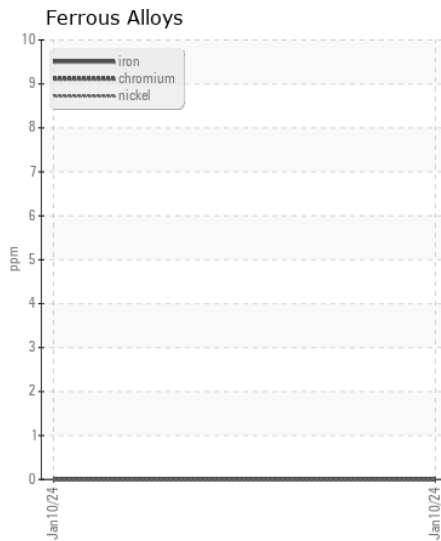
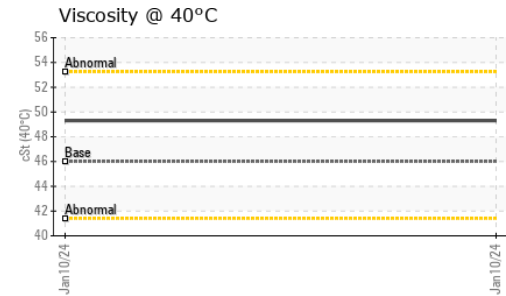
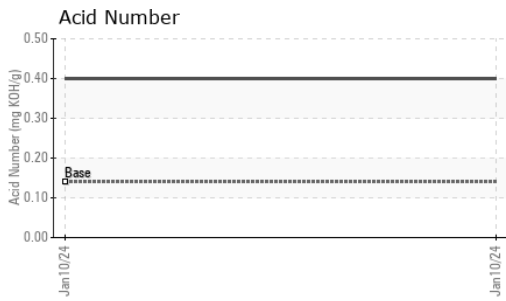
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	1	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>0.1	NEG	---	---
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	---	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		<1	---	---
Calcium	ppm	ASTM D5185m		<1	---	---
Phosphorus	ppm	ASTM D5185m		22	---	---
Zinc	ppm	ASTM D5185m		9	---	---
Sulfur	ppm	ASTM D5185m		83	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.40	---	---
Visc @ 40°C	cSt	ASTM D445	46	49.3	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06062103 **Received** : 16 Jan 2024  
**Lab Number** : 06062103 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10833485 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**D.L. THURROTT AIR PRODUCTS**  
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 WATERVILLE, ME  
 US 04901  
 Contact: ROBERT TOWNE  
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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)