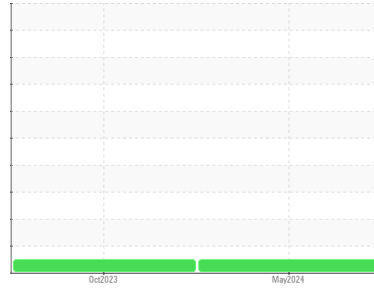




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**CMSI-B [S-25060]**

Machine Id

**ATLAS COPCO AII257079 - PROPORTION AIR (S/N CAI257079)**

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>UCH06200319</b>	UCH05991117	---
Sample Date	Client Info			<b>31 May 2024</b>	23 Oct 2023	---
Machine Age	hrs	Client Info		<b>27482</b>	27212	---
Oil Age	hrs	Client Info		<b>0</b>	689	---
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	---

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

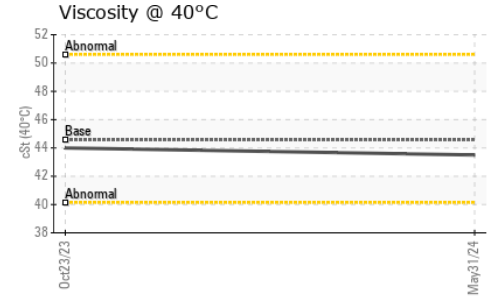
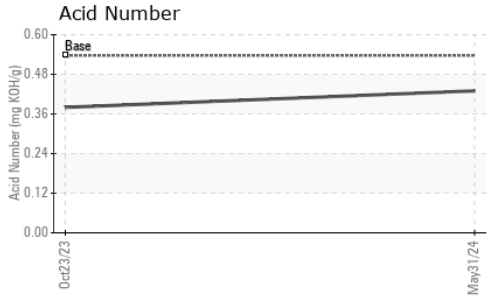
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.1	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0.8	<b>2</b>	<1	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	0.9	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185m	0	<b>0</b>	2	---
Phosphorus	ppm	ASTM D5185m	409	<b>299</b>	318	---
Zinc	ppm	ASTM D5185m	0	<b>197</b>	215	---
Sulfur	ppm	ASTM D5185m	1290	<b>838</b>	899	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>5</b>	5	---
Sodium	ppm	ASTM D5185m		<b>3</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	5	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.537	<b>0.43</b>	0.38	---



# OIL ANALYSIS REPORT



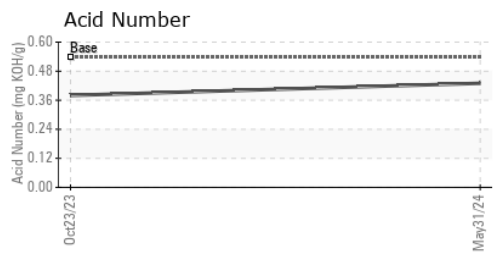
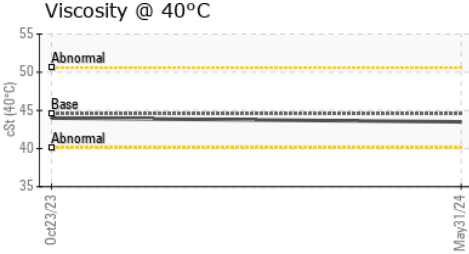
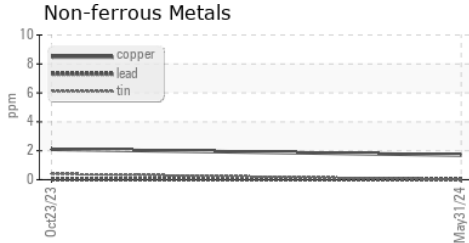
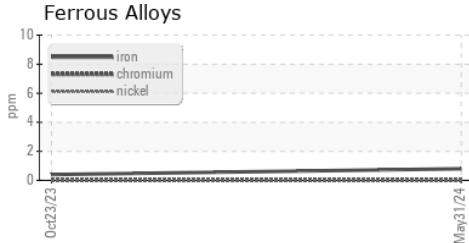
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.56	<b>43.5</b>	44.0	---

### SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06200319      **Received** : 05 Jun 2024  
**Lab Number** : **06200319**      **Tested** : 06 Jun 2024  
**Unique Number** : 11062442      **Diagnosed** : 07 Jun 2024 - Sean Felton  
**Test Package** : IND 2

**CAPITAL MACHINERY SYSTEMS**  
 3207 W ANGLE ROAD  
 PENDELTON, IN  
 US 46064  
 Contact: BRIAN CALDWELL  
 bcaldwell@capital-compressor.com

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)      F: (765)788-0919