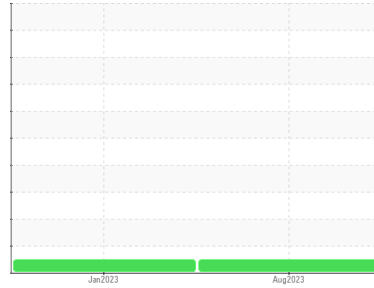




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ROTO XTEND**  
 Machine Id  
**ATLAS COPCO API665384**  
 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

Confirm oil type. 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>UCH05937335</b>	UCH05733651	---
Sample Date	Client Info			<b>10 Aug 2023</b>	04 Jan 2023	---
Machine Age	hrs	Client Info		<b>71726</b>	67300	---
Oil Age	hrs	Client Info		<b>4000</b>	12000	---
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>2</b>	<1	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>15	<b>5</b>	0	---
Lead	ppm	ASTM D5185m	>65	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>65	<b>7</b>	6	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>3</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Phosphorus	ppm	ASTM D5185m		<b>433</b>	6	---
Zinc	ppm	ASTM D5185m		<b>62</b>	21	---
Sulfur	ppm	ASTM D5185m		<b>265</b>	0	---

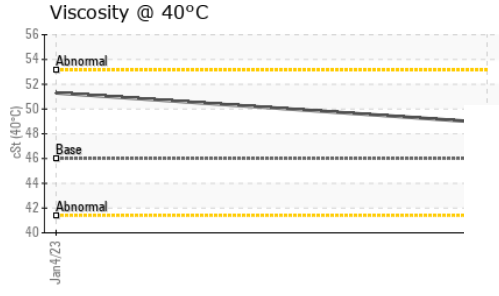
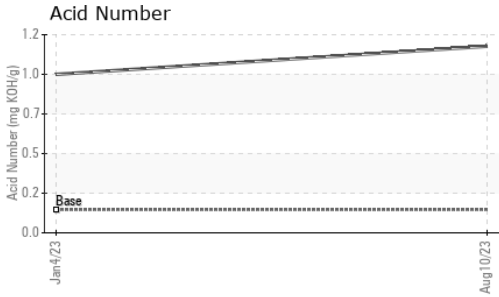
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>&lt;1</b>	0	---
Sodium	ppm	ASTM D5185m		<b>3</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	<b>1.13</b>	0.96	---

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

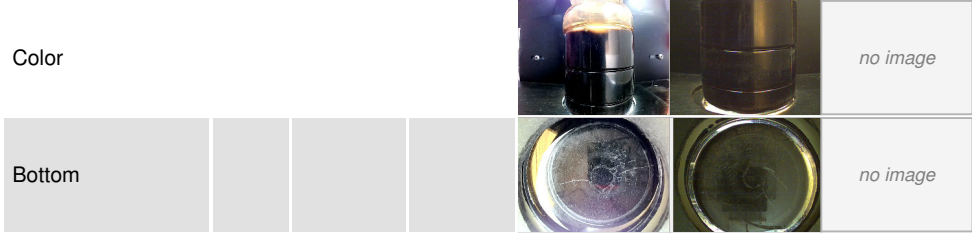


# OIL ANALYSIS REPORT

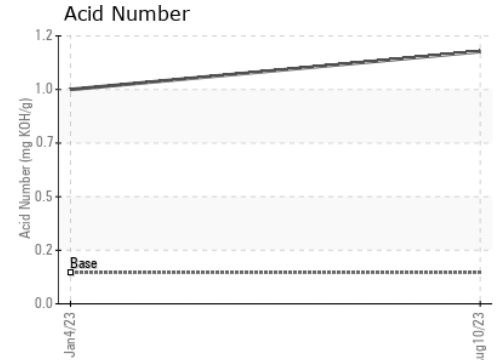
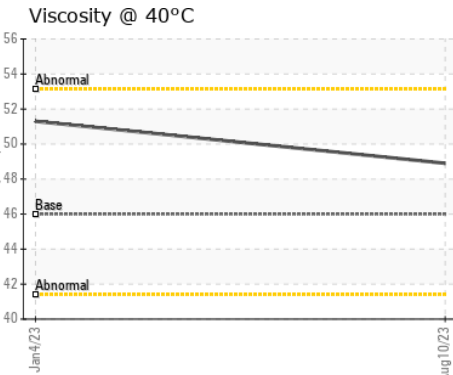
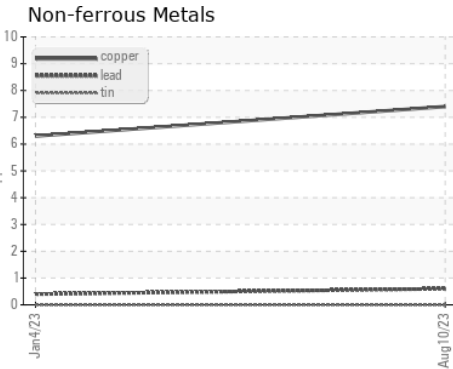
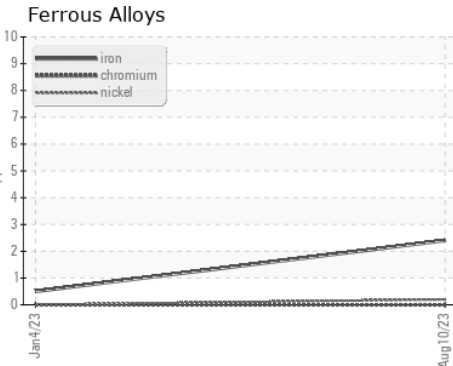


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	<b>48.9</b>	51.3	---

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05937335 **Received** : 29 Aug 2023  
**Lab Number** : **05937335** **Diagnosed** : 30 Aug 2023  
**Unique Number** : 10622606 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**DIRECT AIR - AIR TECHNOLOGIES**  
 400 WRIGHT AVE  
 MIDDLETOWN, OH  
 US 45044  
 Contact: APRIL MOORE  
 april.moore@aircompressors.com  
 T:  
 F: (513)539-6040

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)