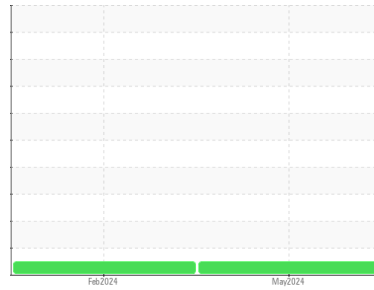




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**ROTO XTEND [419704]**

Machine Id

**ATLAS COPCO ITJ530566 - NJ TRANSIT BUS GARAGE**

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>UCH06195964</b>	UCH06083722	---
Sample Date	Client Info		<b>29 May 2024</b>	08 Feb 2024	---
Machine Age	hrs	Client Info	<b>519</b>	476	---
Oil Age	hrs	Client Info	<b>43</b>	349	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
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>0</b>	<1	---
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	<b>2</b>	8	---
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >15	<b>0</b>	1	---
Lead	ppm	ASTM D5185m >65	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m >65	<b>&lt;1</b>	4	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</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>	<1	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>0</b>	4	---
Calcium	ppm	ASTM D5185m	<b>3</b>	3	---
Phosphorus	ppm	ASTM D5185m	<b>78</b>	70	---
Zinc	ppm	ASTM D5185m	<b>70</b>	122	---
Sulfur	ppm	ASTM D5185m	<b>222</b>	106	---

## CONTAMINANTS

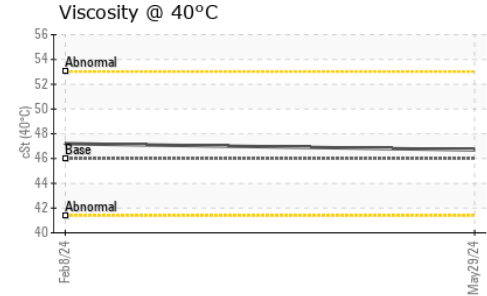
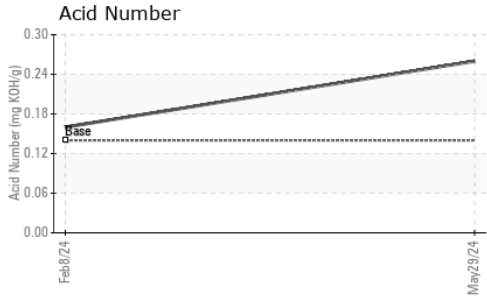
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>&lt;1</b>	0	---
Sodium	ppm	ASTM D5185m	<b>1</b>	0	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	<b>0.26</b>	0.16	---



# OIL ANALYSIS REPORT



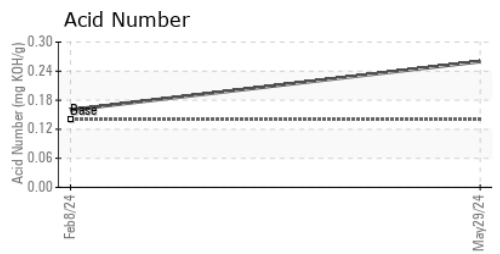
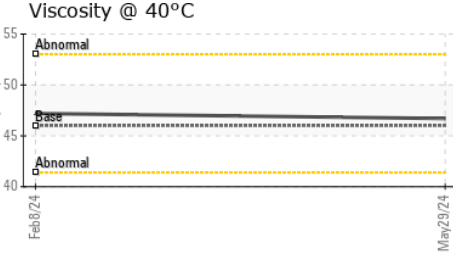
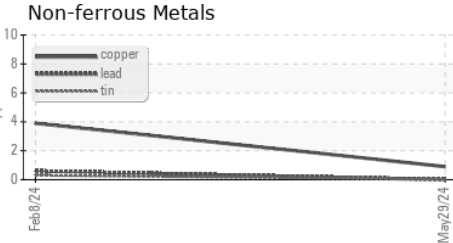
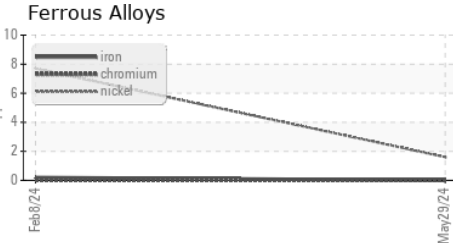
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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 46	<b>46.7</b>	47.2	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			no image
Bottom			no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06195964      **Received** : 30 May 2024  
**Lab Number** : **06195964**      **Tested** : 02 Jun 2024  
**Unique Number** : 11058087      **Diagnosed** : 02 Jun 2024 - Wes Davis  
**Test Package** : IND 2

**AIRMATIC COMPRESSOR SYSTEMS**  
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 ediaz@airmaticcompressor.com; canastasio@wearcheckusa.com  
 T: (800)864-7621  
 F: (201)342-6241

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)