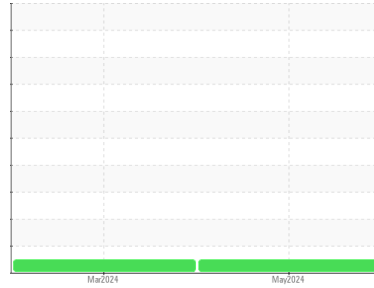




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**ACS-4600-FG-XL [419734]**

Machine Id

**ATLAS COPCO API235071 - SUNNY DELIGHT BEVERAGE CO**

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>UCH06195560</b>	UCH06111525	---
Sample Date	Client Info		<b>29 May 2024</b>	06 Mar 2024	---
Machine Age	hrs	Client Info	<b>12585</b>	0	---
Oil Age	hrs	Client Info	<b>3666</b>	0	---
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>	0	---
Chromium	ppm	ASTM D5185m >5	<b>0</b>	<1	---
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>1</b>	2	---
Lead	ppm	ASTM D5185m >65	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >65	<b>0</b>	<1	---
Tin	ppm	ASTM D5185m >10	<b>&lt;1</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>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Calcium	ppm	ASTM D5185m	<b>0</b>	4	---
Phosphorus	ppm	ASTM D5185m 75	<b>313</b>	314	---
Zinc	ppm	ASTM D5185m	<b>0</b>	3	---
Sulfur	ppm	ASTM D5185m 1500	<b>666</b>	961	---

## CONTAMINANTS

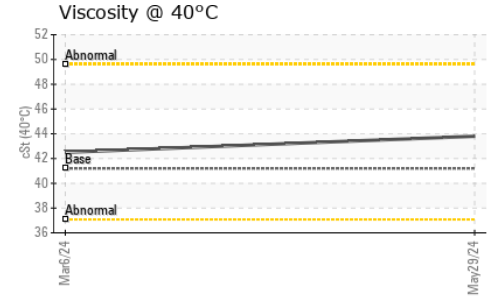
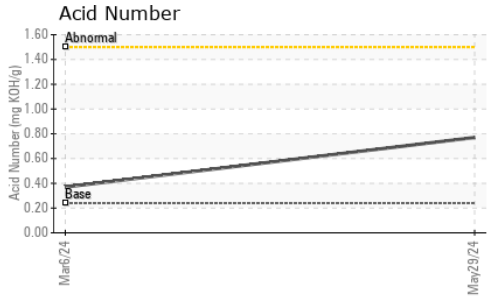
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	<b>2</b>	1	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.24	<b>0.77</b>	0.37	---






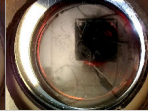
# OIL ANALYSIS REPORT



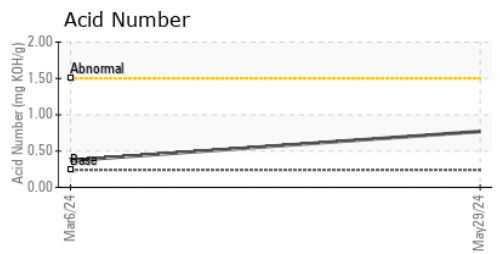
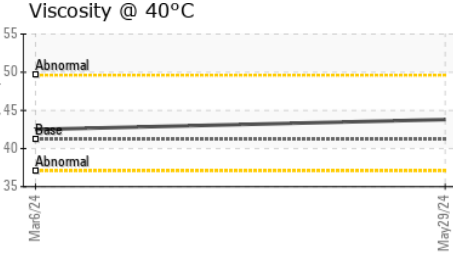
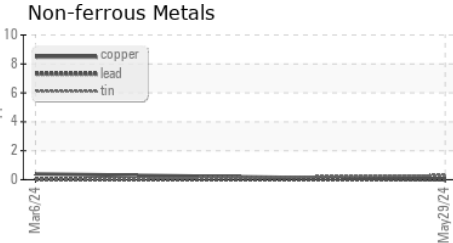
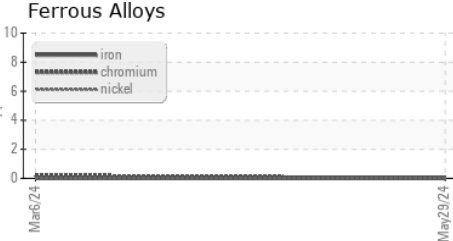
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	41.2	<b>43.8</b>	42.5	---

### SAMPLE IMAGES

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

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06195560      **Received** : 30 May 2024  
**Lab Number** : **06195560**      **Tested** : 31 May 2024  
**Unique Number** : 11057683      **Diagnosed** : 31 May 2024 - Wes Davis  
**Test Package** : IND 2

**AIRMATIC COMPRESSOR SYSTEMS**  
 700 WASHINGTON AVE  
 CARLSTADT, NJ  
 US 07072  
 Contact: ELVIN DIAZ  
 ediaz@airmaticcompressor.com; canastasio@wearcheckusa.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)