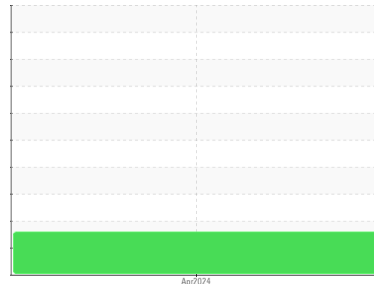




# OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

**AEON 9000 SP [420929]**

Machine Id

**GARDNER DENVER S297843 - MIDHATTAN WOODWORKING**

Component

**Compressor**

## DIAGNOSIS

### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a light concentration of water present 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>UCH06173965</b>	---	---
Sample Date	Client Info		<b>29 Apr 2024</b>	---	---
Machine Age	hrs	Client Info	<b>38564</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ATTENTION</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---
Copper	ppm	ASTM D5185m	>50	<b>1</b>	---
Tin	ppm	ASTM D5185m	>15	<b>1</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	---
Calcium	ppm	ASTM D5185m	0	<b>0</b>	---
Phosphorus	ppm	ASTM D5185m	800	<b>333</b>	---
Zinc	ppm	ASTM D5185m	0	<b>3</b>	---
Sulfur	ppm	ASTM D5185m	0	<b>0</b>	---

## CONTAMINANTS

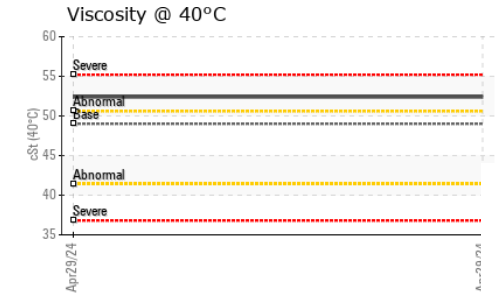
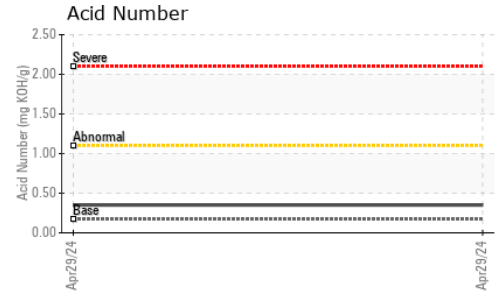
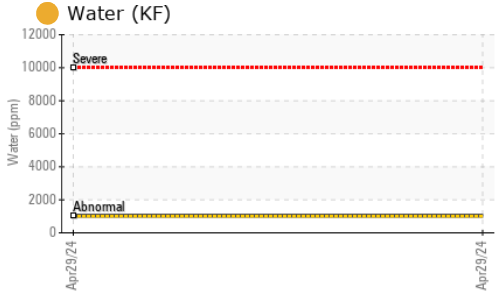
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>1</b>	---
Sodium	ppm	ASTM D5185m		<b>0</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	---
Water	%	ASTM D6304	>0.1	<b>0.102</b>	---
ppm Water	ppm	ASTM D6304	>1000	<b>1020</b>	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.170	<b>0.35</b>	---





# OIL ANALYSIS REPORT



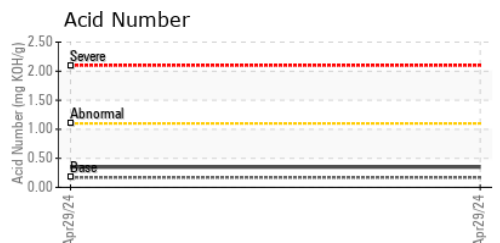
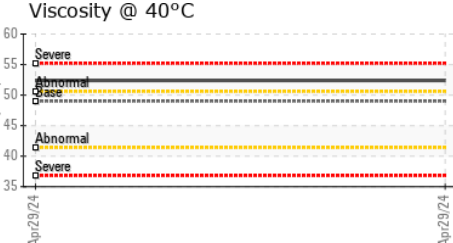
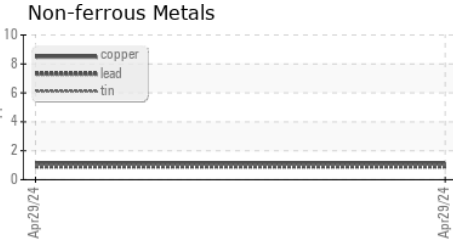
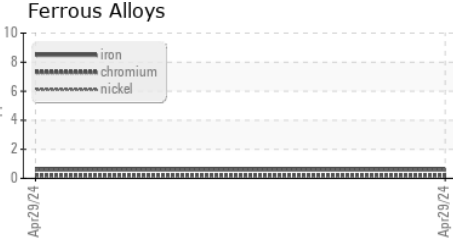
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	49.01	52.4	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06173965      **Received** : 09 May 2024  
**Lab Number** : 06173965      **Tested** : 13 May 2024  
**Unique Number** : 11020018      **Diagnosed** : 13 May 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**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)

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