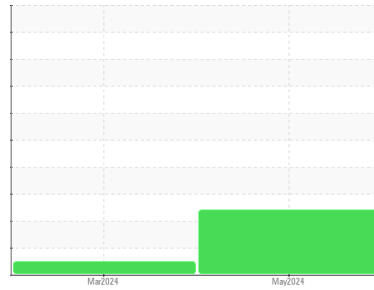




# OIL ANALYSIS REPORT

## Sample Rating Trend



WATER



Area  
**ULTRA COOLANT**  
 Machine Id  
**INGERSOLL RAND UQ1342U09287**  
 Component  
**Compressor**

### DIAGNOSIS

#### ● Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### ● Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a high amount of visible silt present in the sample. There is a high concentration of water present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UHC06185127</b>	UAC06124341	---
Sample Date	Client Info			<b>01 May 2024</b>	04 Mar 2024	---
Machine Age	hrs	Client Info		<b>8321</b>	8318	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>ATTENTION</b>	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>13</b>	16	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	0	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

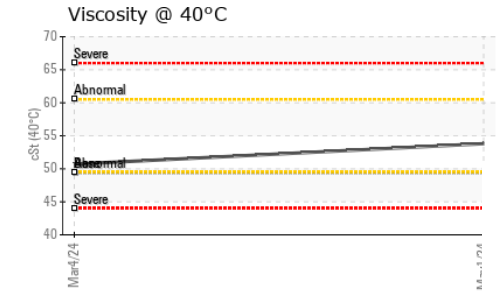
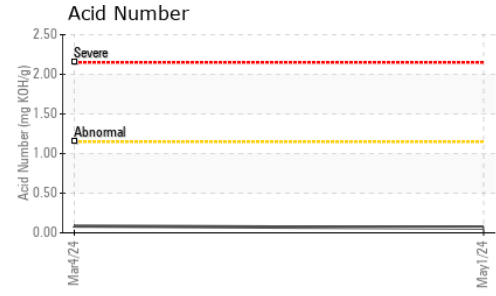
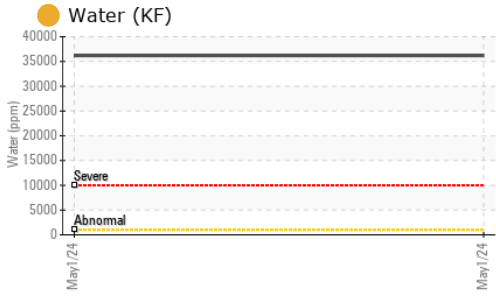
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>17</b>	0	---
Barium	ppm	ASTM D5185m	500	<b>508</b>	778	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m	0	<b>3</b>	<1	---
Calcium	ppm	ASTM D5185m	0	<b>10</b>	8	---
Phosphorus	ppm	ASTM D5185m	20	<b>13</b>	8	---
Zinc	ppm	ASTM D5185m	0	<b>3</b>	<1	---
Sulfur	ppm	ASTM D5185m	200	<b>337</b>	453	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>11</b>	3	---
Sodium	ppm	ASTM D5185m		<b>22</b>	11	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	---
Water	%	ASTM D6304	>0.1	● <b>3.62</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	● <b>36200</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.06</b>	0.086	---



# 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	MODER	---
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	49.4	53.8	50.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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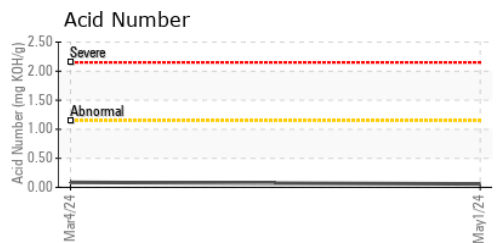
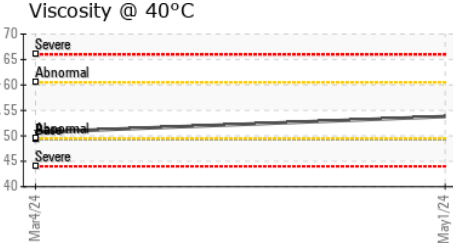
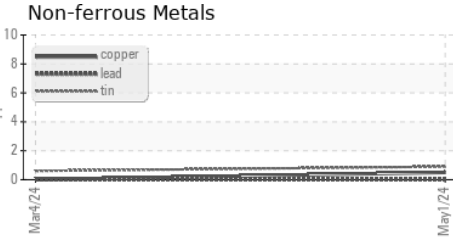
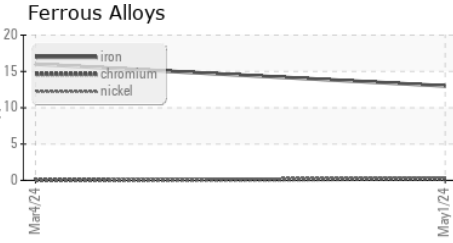
**Color**

no image

**Bottom**

no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UHC06185127      **Received** : 20 May 2024  
**Lab Number** : **06185127**      **Tested** : 22 May 2024  
**Unique Number** : 11036453      **Diagnosed** : 22 May 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**ATLANTA AIR COMPRESSOR**  
 123 MERCHANTS PARK DR  
 HOSCHTON, GA  
 US 30548  
 Contact: Derik Bray  
 Derik@atlantaaircompressor.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)