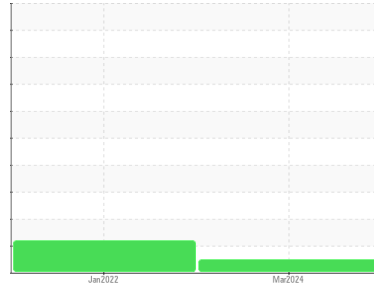




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**SC-46-5 [418923]**

Machine Id

**INGERSOLL RAND J3471U91F - OCEAN COUNTY UTILITIES**

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 acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06141477</b>	UCH05457250	---
Sample Date	Client Info		<b>20 Mar 2024</b>	17 Jan 2022	---
Machine Age	hrs	Client Info	<b>198573</b>	198344	---
Oil Age	hrs	Client Info	<b>8</b>	19834	---
Oil Changed	Client Info		<b>Not Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	ATTENTION	---

## 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 >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	0	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	3	---
Copper	ppm	ASTM D5185m >50	<b>0</b>	<1	---
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	1	---
Antimony	ppm	ASTM D5185m	<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	2	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	<b>0</b>	3	---
Barium	ppm	ASTM D5185m 700	<b>607</b>	842	---
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m 0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m 0	<b>0</b>	1	---
Calcium	ppm	ASTM D5185m 0	<b>0</b>	6	---
Phosphorus	ppm	ASTM D5185m 0	<b>0</b>	10	---
Zinc	ppm	ASTM D5185m 0	<b>0</b>	8	---
Sulfur	ppm	ASTM D5185m 630	<b>729</b>	351	---

## CONTAMINANTS

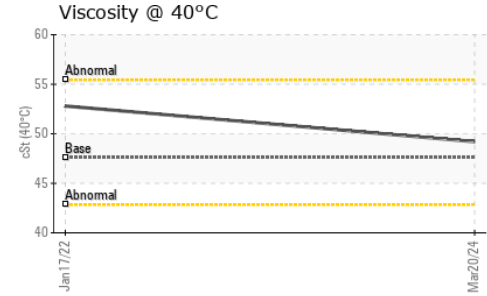
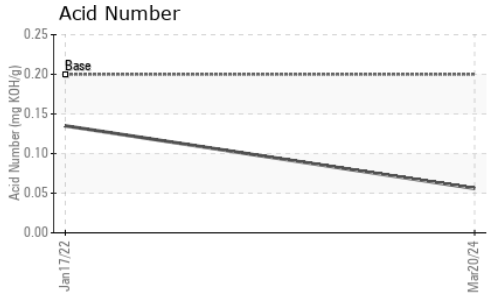
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>2</b>	2	---
Sodium	ppm	ASTM D5185m	<b>3</b>	22	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.200	<b>0.056</b>	0.135	---



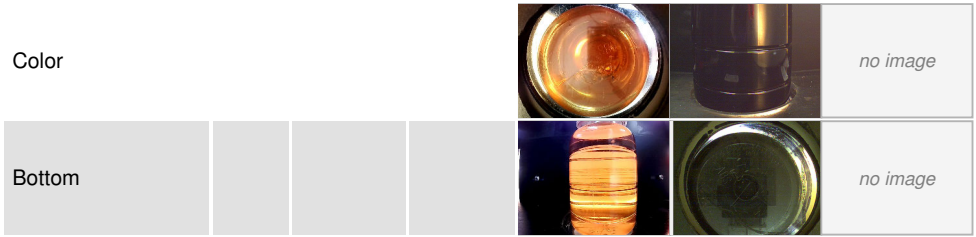
# OIL ANALYSIS REPORT



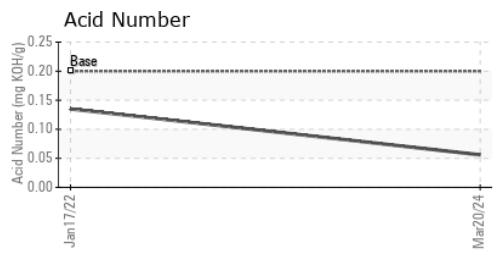
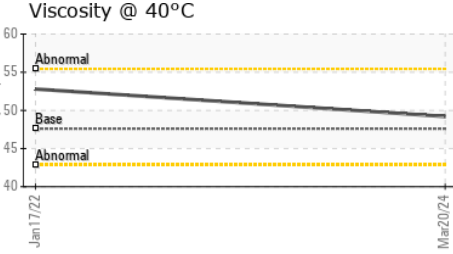
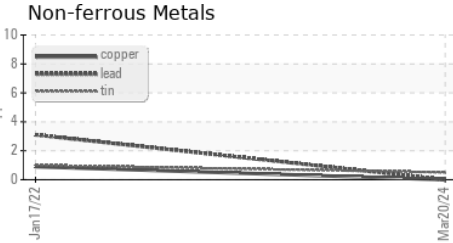
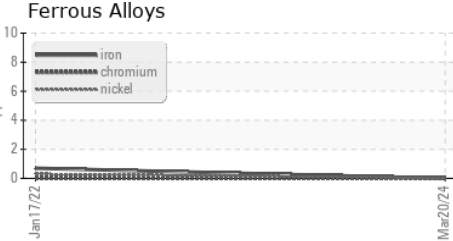
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	47.6	49.2	52.8

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06141477      **Received** : 08 Apr 2024  
**Lab Number** : 06141477      **Tested** : 09 Apr 2024  
**Unique Number** : 10966285      **Diagnosed** : 10 Apr 2024 - Angela Borella  
**Test Package** : IND 2

**AIRMATIC COMPRESSOR SYSTEMS**  
 700 WASHINGTON AVE  
 CARLSTADT, NJ  
 US 07072  
 Contact: ELVIN DIAZ  
 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)