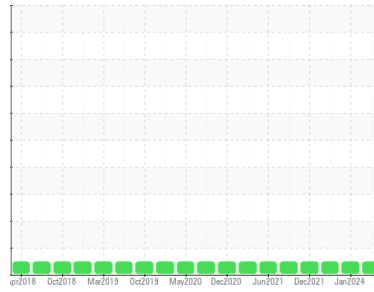




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**QUINSYN PLUS [419044]**

Machine Id

**QUINCY BU130228001 - METAL CUTTING**

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>UCH06183014</b>	UCH06083713	UCH05507662
Sample Date	Client Info		<b>24 Apr 2024</b>	26 Jan 2024	08 Mar 2022
Machine Age	hrs	Client Info	<b>29693</b>	29063	23956
Oil Age	hrs	Client Info	<b>2858</b>	582	2587
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1
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>0</b>	<1
Magnesium	ppm	ASTM D5185m		<b>0</b>	0
Calcium	ppm	ASTM D5185m		<b>0</b>	0
Phosphorus	ppm	ASTM D5185m		<b>0</b>	0
Zinc	ppm	ASTM D5185m		<b>0</b>	4
Sulfur	ppm	ASTM D5185m		<b>0</b>	2

## CONTAMINANTS

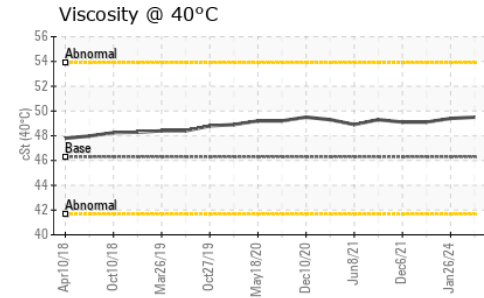
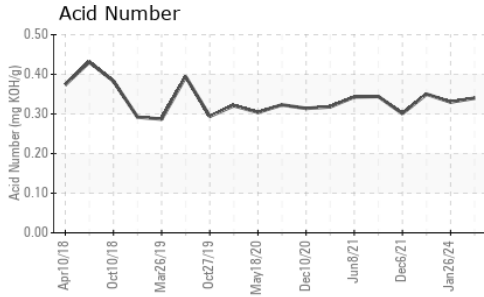
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0
Sodium	ppm	ASTM D5185m		<b>1</b>	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.34</b>	0.33



# OIL ANALYSIS REPORT



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

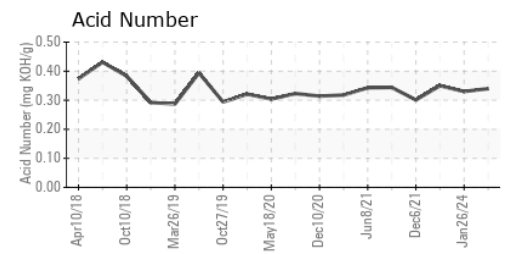
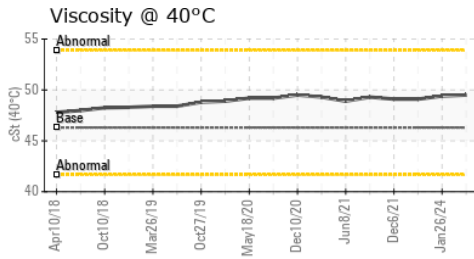
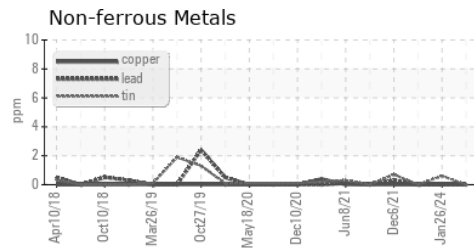
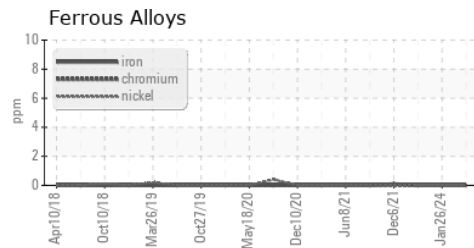
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.3	49.5	49.4

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

**Bottom**

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06183014      **Received** : 17 May 2024  
**Lab Number** : 06183014      **Tested** : 20 May 2024  
**Unique Number** : 11034340      **Diagnosed** : 20 May 2024 - Wes Davis  
**Test Package** : IND 2

**AIRMATIC COMPRESSOR SYSTEMS**  
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 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)