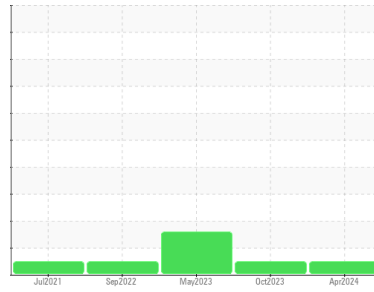




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**ULTRACHEM 32P**

Machine Id

**SULLAIR 200810140071 - CINTAS**

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>UCH06154508</b>	UCH05985662	UCH05857435
Sample Date	Client Info		<b>16 Apr 2024</b>	12 Oct 2023	15 May 2023
Machine Age	hrs	Client Info	<b>54865</b>	54854	0
Oil Age	hrs	Client Info	<b>7000</b>	1	1
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	ATTENTION

### 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>4</b>	16	64
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	6	17
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	1	2
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.7	<b>0</b>	<1	0
Barium	ppm	ASTM D5185m 0	<b>722</b>	887	494
Molybdenum	ppm	ASTM D5185m 0.2	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0.3	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	2	9
Calcium	ppm	ASTM D5185m 0	<b>4</b>	3	4
Phosphorus	ppm	ASTM D5185m 229	<b>0</b>	0	5
Zinc	ppm	ASTM D5185m 0	<b>0</b>	0	11
Sulfur	ppm	ASTM D5185m 254	<b>651</b>	1008	811

### CONTAMINANTS

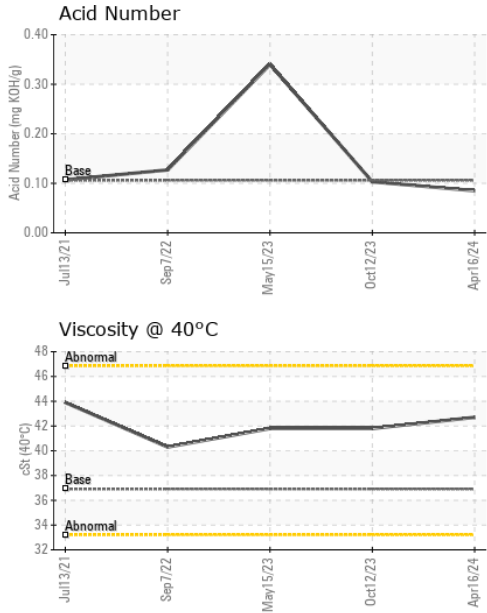
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>4</b>	3	4
Sodium	ppm	ASTM D5185m	<b>8</b>	14	38
Potassium	ppm	ASTM D5185m >20	<b>4</b>	5	8

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.106	<b>0.085</b>	0.103	0.34



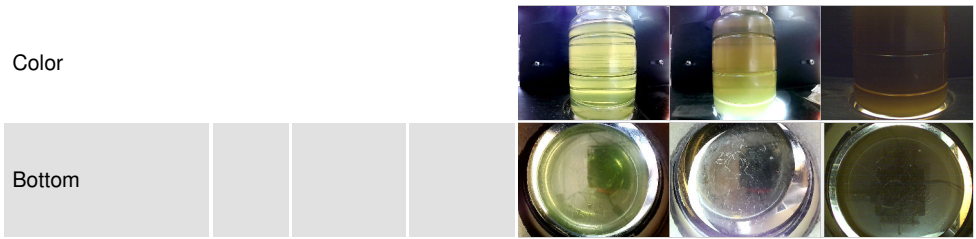
# OIL ANALYSIS REPORT



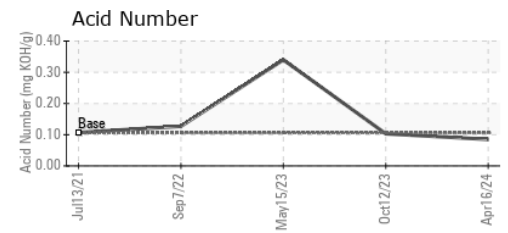
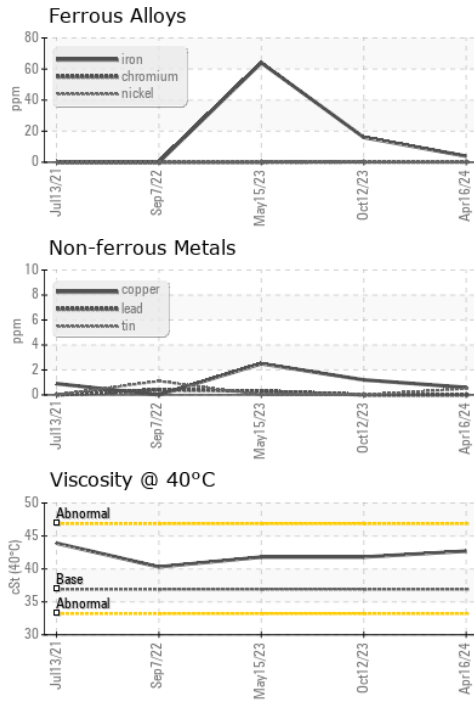
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	36.91	<b>42.7</b>	41.8

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06154508      **Received** : 19 Apr 2024  
**Lab Number** : **06154508**      **Tested** : 22 Apr 2024  
**Unique Number** : 10989931      **Diagnosed** : 23 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**CUMMINS-WAGNER CO INC**  
 175 Edgemoor Rd  
 WILMINGTON, DE  
 US 19809  
 Contact: Natalie Gagliano  
 NGagliano@cummins-wagner.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)