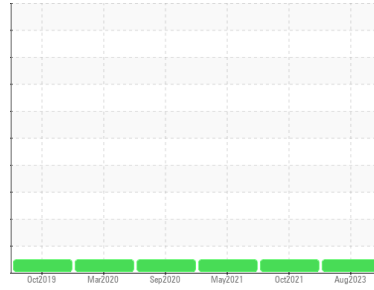




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ULTRACHEM 32P**  
 Machine Id  
**SULLAIR 003-80660 - PEDRICKTOWN COGENERATION**  
 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 component.

### 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>UCH05930931</b>	UCH05376518	UCH05264509
Sample Date	Client Info		<b>15 Aug 2023</b>	13 Oct 2021	12 May 2021
Machine Age	hrs	Client Info	<b>17991</b>	12667	10102
Oil Age	hrs	Client Info	<b>0</b>	1565	1
Oil Changed	Client Info		<b>N/A</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	1	0
Lead	ppm	ASTM D5185m >25	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >50	<b>3</b>	4	0
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	0
Antimony	ppm	ASTM D5185m	<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	<b>0</b>	<1	4
Barium	ppm	ASTM D5185m 730	<b>467</b>	130	605
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0.0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m 0	<b>3</b>	0	0
Calcium	ppm	ASTM D5185m 0	<b>5</b>	0	1
Phosphorus	ppm	ASTM D5185m 0	<b>4</b>	9	1
Zinc	ppm	ASTM D5185m 0	<b>21</b>	0	0
Sulfur	ppm	ASTM D5185m 590	<b>588</b>	43	429

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>6</b>	1	2
Sodium	ppm	ASTM D5185m	<b>31</b>	20	6
Potassium	ppm	ASTM D5185m >20	<b>4</b>	1	<1

## FLUID DEGRADATION

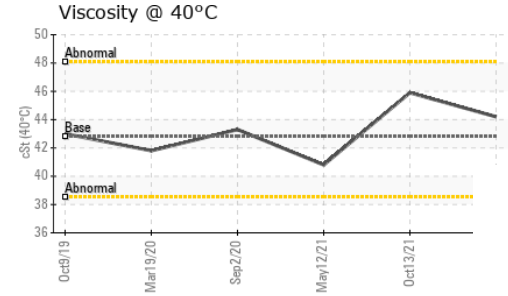
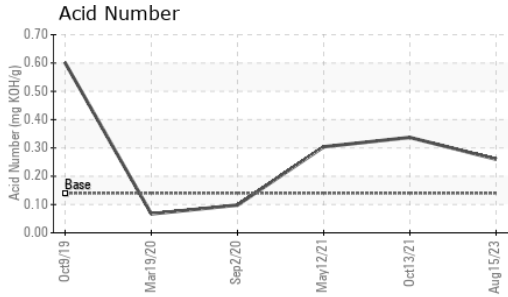
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	<b>0.26</b>	0.337	0.304

## VISUAL

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

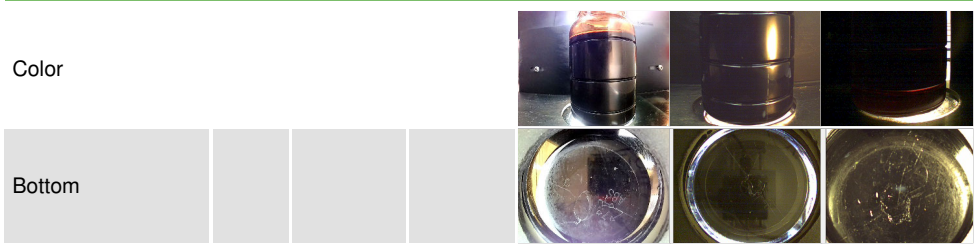


# OIL ANALYSIS REPORT

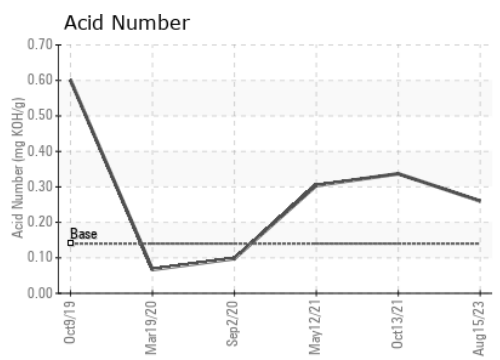
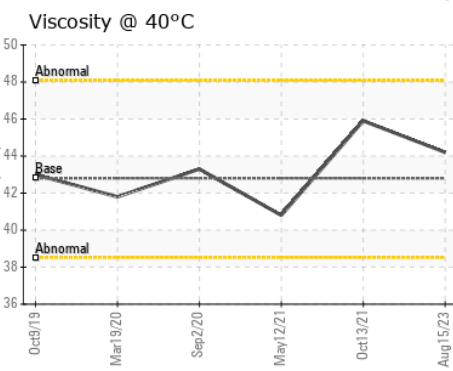
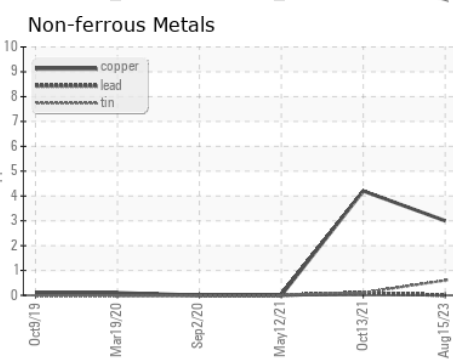
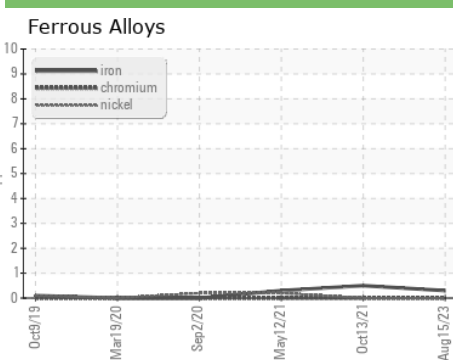


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	42.8	<b>44.2</b>	45.9	40.8

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05930931    **Received** : 22 Aug 2023  
**Lab Number** : **05930931**    **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10616202    **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**CUMMINS-WAGNER CO INC**  
 175 Edgemoor Rd  
 WILMINGTON, DE  
 US 19809  
 Contact: Natalie Gagliano  
 NGagliano@cummins-wagner.com  
 T: (833)568-5450  
 F:

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)