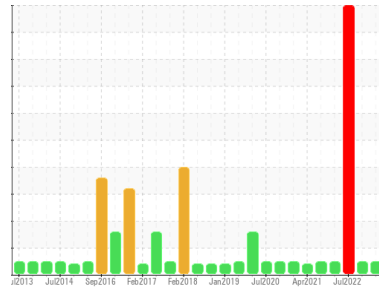




# OIL ANALYSIS REPORT

Area  
**AURORA PO-6030**  
 Machine Id  
**SULLAIR 003-98178 - GEORGIA PACIFIC**  
 Component  
**Compressor**

Sample Rating Trend



**NORMAL**



## 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>UCP06160493</b>	UCP05753650	UCP05649397
Sample Date	Client Info		<b>24 Apr 2024</b>	25 Nov 2022	01 Jul 2022
Machine Age	hrs	Client Info	<b>27432</b>	186605	0
Oil Age	hrs	Client Info	<b>300</b>	0	8000
Oil Changed	Client Info		<b>Changed</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	NORMAL	SEVERE

## 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>2</b>	<1	8
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	0	2
Lead	ppm	ASTM D5185m >25	<b>1</b>	<1	1
Copper	ppm	ASTM D5185m >50	<b>3</b>	<1	1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	1	2
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 0	<b>0</b>	0	9
Barium	ppm	ASTM D5185m 700	<b>474</b>	5	14
Molybdenum	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	2	8
Calcium	ppm	ASTM D5185m 0	<b>0</b>	0	29
Phosphorus	ppm	ASTM D5185m 0	<b>8</b>	29	54
Zinc	ppm	ASTM D5185m 0	<b>4</b>	0	67
Sulfur	ppm	ASTM D5185m 630	<b>316</b>	344	494

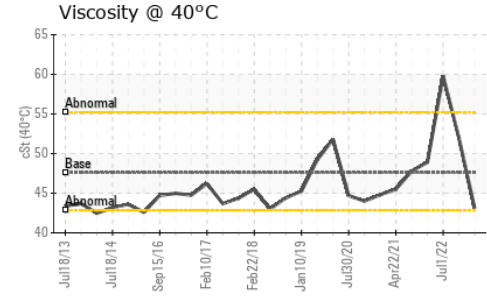
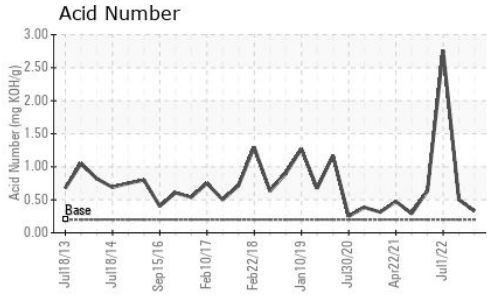
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>3</b>	<1	34
Sodium	ppm	ASTM D5185m	<b>70</b>	66	98
Potassium	ppm	ASTM D5185m >20	<b>6</b>	5	8

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.200	<b>0.33</b>	0.50	2.76

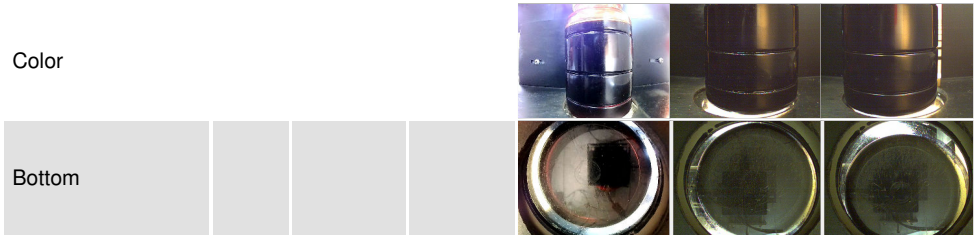
# OIL ANALYSIS REPORT



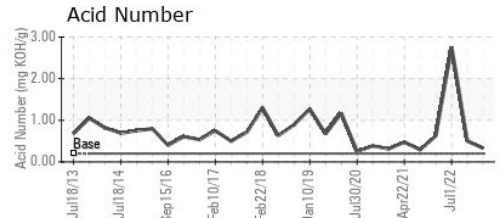
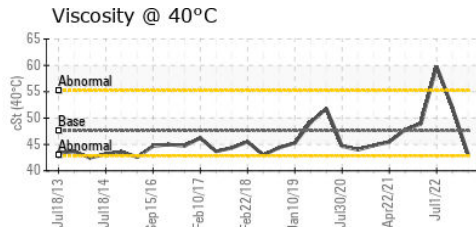
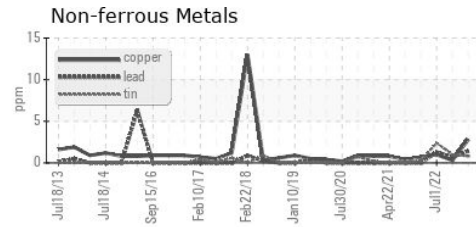
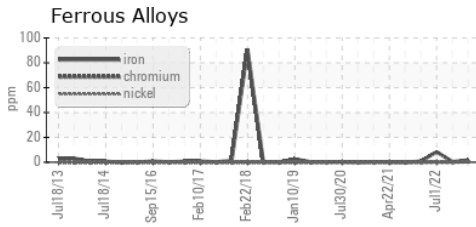
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Debris	scalar	*Visual	NONE	<b>NONE</b>	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	0.2%
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	47.6	<b>43.1</b>	52.0	▲ 59.8

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCP06160493      **Received** : 25 Apr 2024  
**Lab Number** : **06160493**      **Tested** : 26 Apr 2024  
**Unique Number** : 10995916      **Diagnosed** : 26 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**PATTONS INC - RICHMOND**  
 10394 LAKERIDGE PARKWAY  
 ASHLAND, VA  
 US 23005  
 Contact: AARON MCCOY  
 AARON.MCCOY@PATTONSINC.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)      F: (804)249-6831