

Area

**AURORA PO-6030**

Machine Id

**SULLAIR 003-87192 - GEORGIA PACIFIC**

Component

**Compressor**

**DIAGNOSIS**

**Recommendation**

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

**Wear**

All component wear rates are normal.

**Contamination**

There is a moderate amount of visible silt present in the sample.

**Fluid Condition**

The AN level is above the recommended limit.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UCP06160498</b>	UCP05753653	UCP05649395
Sample Date	Client Info			<b>24 Apr 2024</b>	25 Nov 2022	01 Jul 2022
Machine Age	hrs	Client Info		<b>4759</b>	618083	0
Oil Age	hrs	Client Info		<b>300</b>	0	8000
Oil Changed	Client Info			<b>Changed</b>	Not Changd	Changed
Sample Status				<b>ATTENTION</b>	ATTENTION	SEVERE

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

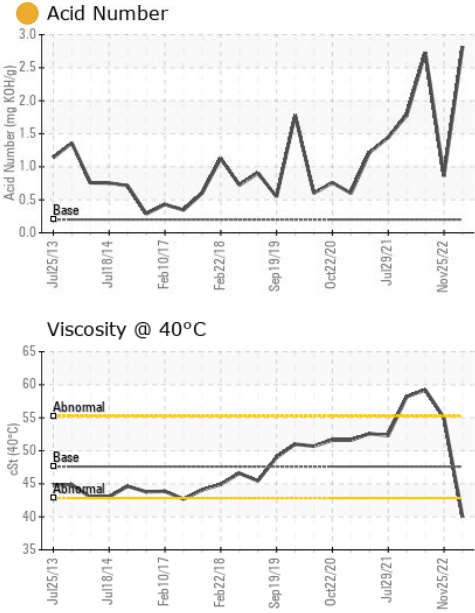
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>3</b>	<1	5
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	2
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>50	<b>7</b>	1	<1
Tin	ppm	ASTM D5185m	>15	<b>1</b>	<1	<1
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	0
Barium	ppm	ASTM D5185m	700	<b>549</b>	0	11
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	0
Calcium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	10
Phosphorus	ppm	ASTM D5185m	0	<b>2</b>	29	18
Zinc	ppm	ASTM D5185m	0	<b>60</b>	0	36
Sulfur	ppm	ASTM D5185m	630	<b>371</b>	488	86

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>3</b>	<1	16
Sodium	ppm	ASTM D5185m		<b>88</b>	93	18
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	7	<1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.200	<b>2.82</b>	0.86	2.73

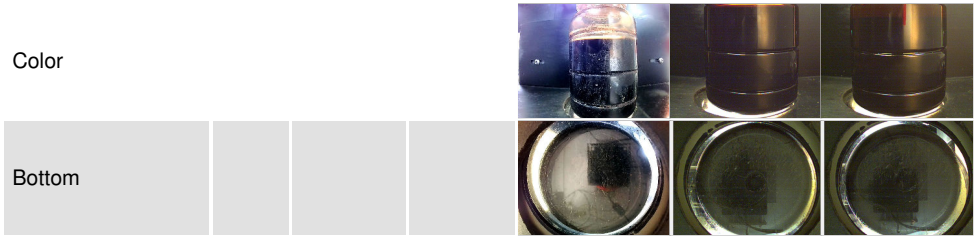
# OIL ANALYSIS REPORT



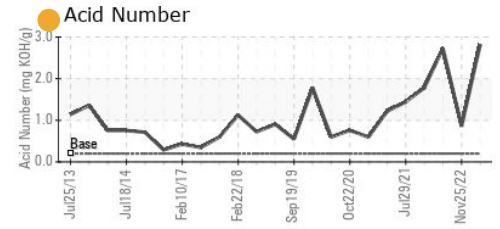
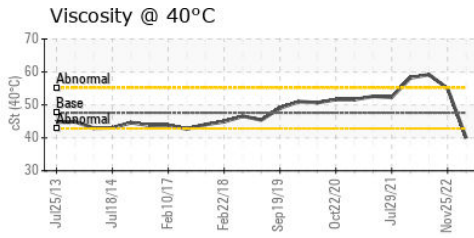
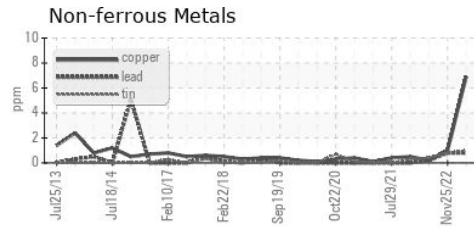
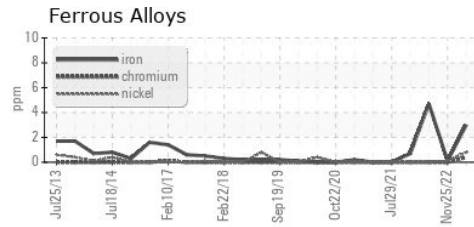
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	<b>MODER</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</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	47.6	<b>39.94</b>	55.0

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCP06160498      **Received** : 25 Apr 2024  
**Lab Number** : **06160498**      **Tested** : 29 Apr 2024  
**Unique Number** : 10995921      **Diagnosed** : 30 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2

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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