



OIL ANALYSIS REPORT

Area

AURORA PO-6030

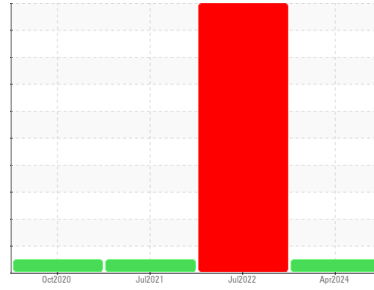
Machine Id

SULLAIR 201803190075 - 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		UCP06160499	UCP05649391	UCP05319015
Sample Date	Client Info		24 Apr 2024	01 Jul 2022	29 Jul 2021
Machine Age	hrs	Client Info	24727	0	10726
Oil Age	hrs	Client Info	200	8000	2000
Oil Changed	Client Info		Changed	Changed	Not Changed
Sample Status			NORMAL	SEVERE	NORMAL

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	2	17	0
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	5	0
Lead	ppm	ASTM D5185m	>25	<1	1	0
Copper	ppm	ASTM D5185m	>50	4	1	<1
Tin	ppm	ASTM D5185m	>15	<1	2	0
Antimony	ppm	ASTM D5185m		---	---	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	<1	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	8	2
Barium	ppm	ASTM D5185m	700	530	37	261
Molybdenum	ppm	ASTM D5185m	0	<1	<1	0
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	18	0
Calcium	ppm	ASTM D5185m	0	0	59	0
Phosphorus	ppm	ASTM D5185m	0	<1	64	3
Zinc	ppm	ASTM D5185m	0	3	159	0
Sulfur	ppm	ASTM D5185m	630	341	419	213

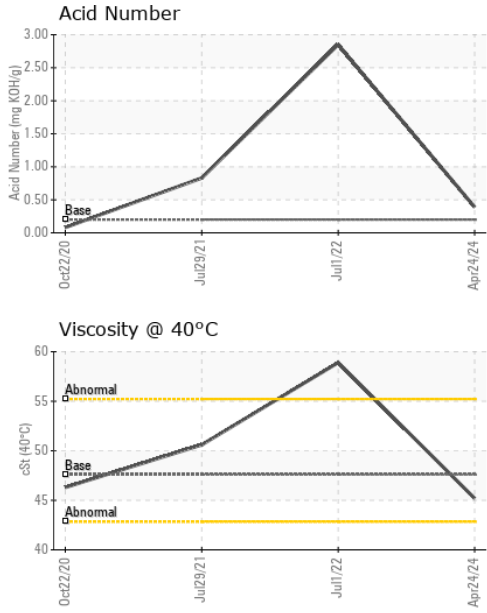
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	2	73	0
Sodium	ppm	ASTM D5185m		72	114	74
Potassium	ppm	ASTM D5185m	>20	6	10	5

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.200	0.39	2.85	0.830

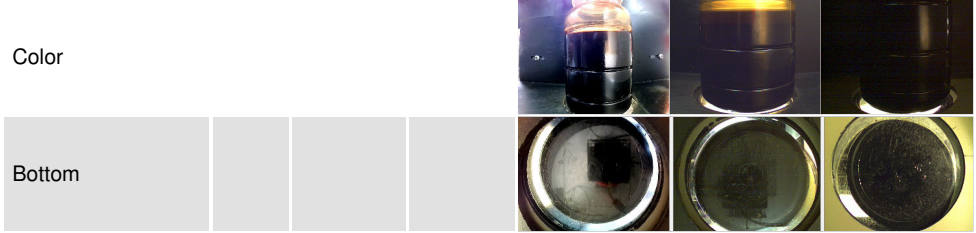
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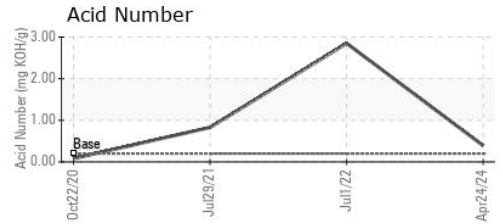
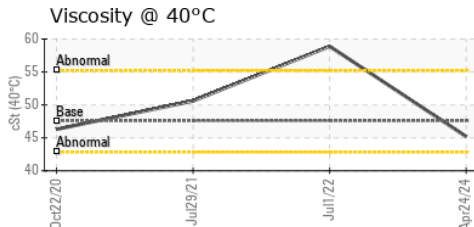
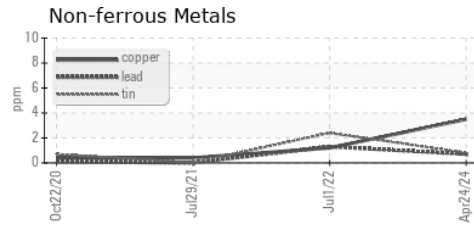
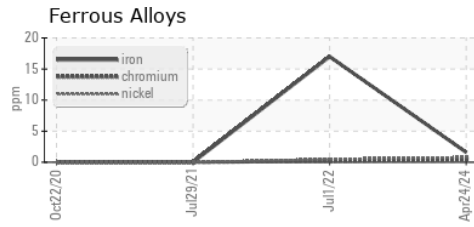
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ MODER	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	▲ NEG 0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	47.6	▲ 45.2	58.9	50.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCP06160499 **Received** : 25 Apr 2024
Lab Number : 06160499 **Tested** : 26 Apr 2024
Unique Number : 10995922 **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