

No. 1 Paper Machine 1 PM 6TH DRY DRIVE STR#21 611-31-01A (S/N MO27565-20) Componen **Gear Unit**

ROYAL PURPLE SYNERGY 90/220 (22 GAL)

RECOMMENDATION	
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We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.



All component wear rates are normal.

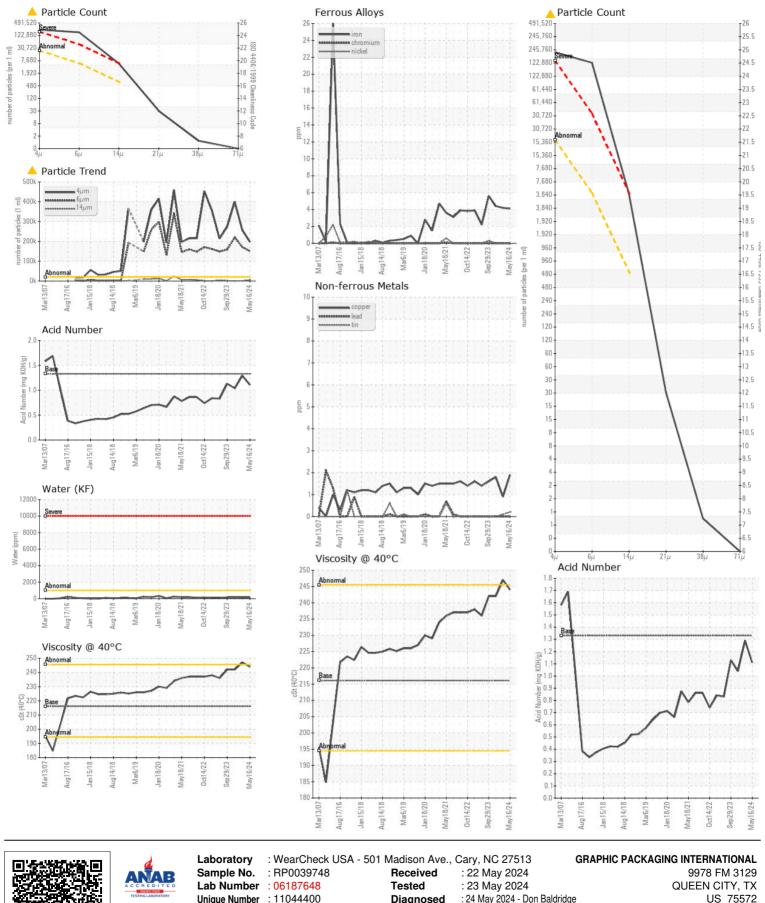
CONTAMINATION

There is a high amount of particulates present in the oil.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP0039748	RP0038175	RP0039739
Sample Date		Client Info		16 May 2024	22 Mar 2024	29 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>150	4	4	4
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	2	<1	2
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	8	7	9
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water	%	ASTM D5100III	>0.1	0.015	0.014	0.017
ppm Water	ppm	ASTM D6304	>1000	155	144	175
Particles >4µm	ppm	ASTM D0004	>20000	198075	▲ 257240	▲ 399783
Particles >6µm		ASTM D7647	>5000	A 150543	▲ 170925	▲ 220077
Particles >14µm		ASTM D7647	>640	4867	▲ 778	548
Particles >21µm		ASTM D7647	>160	27	52	72
Particles >38µm		ASTM D7647	>40	1	0	4
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 25/24/19	▲ 25/25/17	▲ 26/25/16
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	1	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		2	5	0
Phosphorus	ppm	ASTM D5185m	370	25	28	15
Zinc	ppm	ASTM D5185m		0	0	0
Acid Number (AN)	mg KOH/g	ASTM D8045	1.33	1.11	1.29	1.04
Visc @ 40°C	cSt	ASTM D445	216.1	244	247	242



: 24 May 2024 - Don Baldridge Unique Number : 11044400 Diagnosed Test Package : IND 2 (Additional Tests: PrtCount) Contact: DAVID COTHREN Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. david.cothren@graphicpkg.com * - 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)

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Contact/Location: DAVID COTHREN - INTTEX Page 2 of 2

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