

## **OIL ANALYSIS REPORT**

### No. 1 Paper Machine 1 PM COATER-BEFORE FILTERS (S/N HLU-A574-0) Component

**Reservoir Lube System** 

**ROYAL PURPLE SYNFILM GT220 (1500 GAL)** 

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

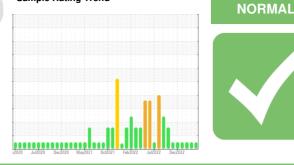
All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### Fluid Condition

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



Sample Rating Trend



#### SAMPLE INFORMATION method RP0031735 RP0031751 RP0031059 Sample Number **Client Info** 24 Feb 2023 Sample Date Client Info 17 Jul 2023 17 Mar 2023 0 0 Machine Age hrs **Client Info** 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A NORMAL Sample Status NORMAL NORMAL WEAR METALS >20 1 Iron ppm ASTM D5185m <1 <1 Chromium ASTM D5185m >20 0 0 0 ppm Nickel ppm ASTM D5185m >20 0 0 0 Titanium ASTM D5185m 0 0 0 ppm 0 Silver ppm ASTM D5185m 0 0 Aluminum ASTM D5185m >20 0 0 ppm <1 Lead ASTM D5185m >20 <1 0 0 ppm ASTM D5185m >20 1 Copper ppm <1 1 Tin ppm ASTM D5185m >20 0 0 0 Vanadium ASTM D5185m 0 0 0 ppm Cadmium ppm ASTM D5185m 0 0 0 0 0 0 Boron ppm ASTM D5185m Barium ppm ASTM D5185m 0 0 2 0 0 Molybdenum 0 ppm ASTM D5185m Manganese ppm ASTM D5185m <1 <1 <1 35 46 ASTM D5185m 90 60 Magnesium ppm 0 0 Calcium ppm ASTM D5185m <1 6 Phosphorus ppm ASTM D5185m 12 17 Zinc ASTM D5185m 6 6 11 ppm CONTAMINANTS Silicon ppm ASTM D5185m >15 <1 1 1 Sodium ppm ASTM D5185m 5 3 4 >20 Potassium ppm ASTM D5185m 2 <1 2 Water % ASTM D6304 >0.05 0.013 0.040 0.028 ppm Water ASTM D6304 >500 131.3 406.4 285.4 ppm FLUID CLEANLINESS ASTM D7647 >5000 72 311 104 Particles >4µm Particles >6µm ASTM D7647 >1300 41 92 13 >160 12 2 Particles >14µm ASTM D7647 12 Particles >21µm ASTM D7647 >40 4 4 1 Particles >38µm ASTM D7647 >10 0 1 0 Particles >71µm ASTM D7647 >3 0 0 0 13/13/11 **Oil Cleanliness** ISO 4406 (c) >19/17/14 15/14/11 14/11/9 FLUID DEGRADATION

mg KOH/g Acid Number (AN)

ASTM D8045

0.25

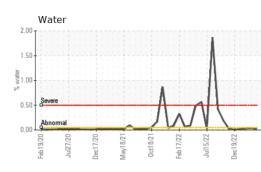
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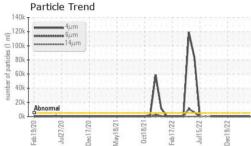
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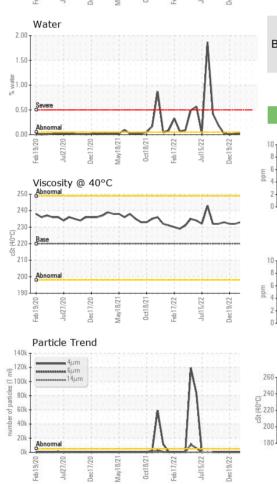
0.241



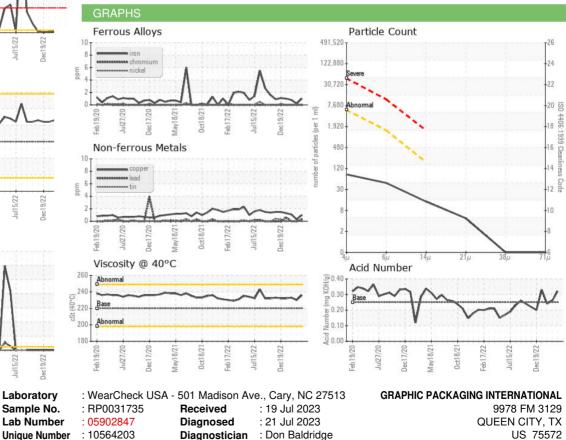
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	236	230	233
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color				Ŀ	ITTUS ITVOS Samo	March Color
Bottom						



\* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Test Package : IND 2 (Additional Tests: PrtCount)

Certificate L2367

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