

# **OIL ANALYSIS REPORT**

# No. 1 Paper Machine 1 PM COATER-AFTER 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

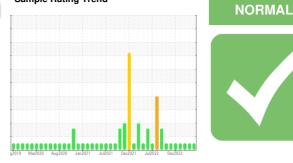
All component wear rates are normal.

#### 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



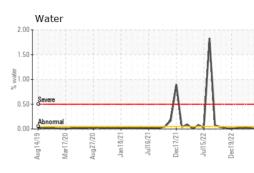
SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0031745	RP0031741	RP0031039
Sample Date		Client Info		17 Jul 2023	17 Mar 2023	24 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	0	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	0	0
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>20	1	<1	0
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	90	62	36	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		8	9	13
Zinc	ppm	ASTM D5185m		8	4	0
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CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>15	<1	<1	<1
Sodium	ppm	ASTM D5185m ASTM D5185m	>20	5 3	3 <1	0
Potassium	ppm	ASTM D5185III ASTM D6304		-		
Water	%		>0.05	0.011	0.028	0.026
ppm Water	ppm	ASTM D6304	>500	114.2	282.7	263.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	96	253	203
Particles >6µm		ASTM D7647	>1300	46	74	55
Particles >14µm		ASTM D7647	>160	10	9	5
Particles >21µm		ASTM D7647	>40	5	4	2
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	14/13/10	15/13/10	15/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	0.47	0.27	0.36

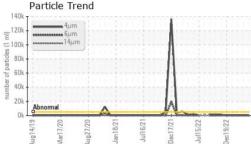


Water

2.00

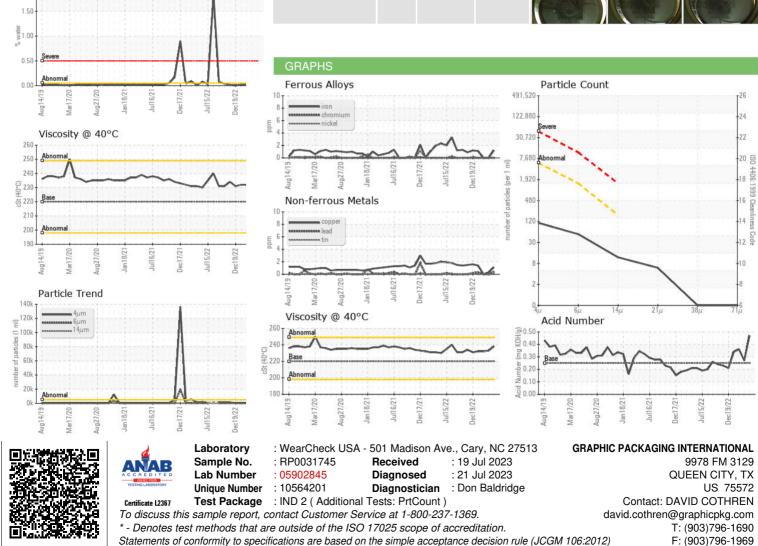
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