

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

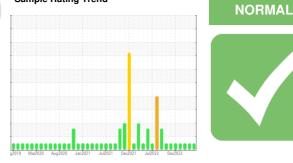
All component wear rates are normal.

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



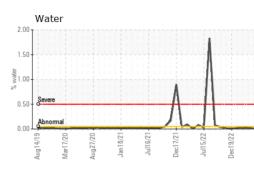
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0031745	RP0031741	RP0031039
Sample Date		Client Info		17 Jul 2023	17 Mar 2023	24 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				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

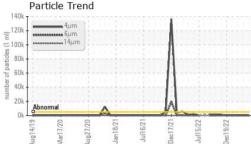


Water

2.00

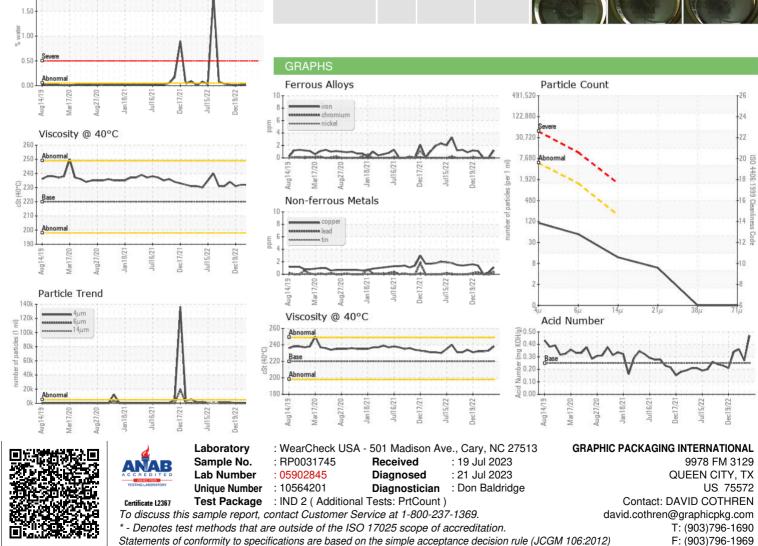
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