

OIL ANALYSIS REPORT

Pulp Mill A-Line Machine Id SA ThickStockPump East End (S/N Warren 125 HD)

Component Non-Drive End Pump

ROYAL PURPLE SYNERGY 90/220 (5 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

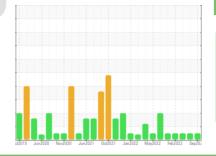
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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



Sample Rating Trend

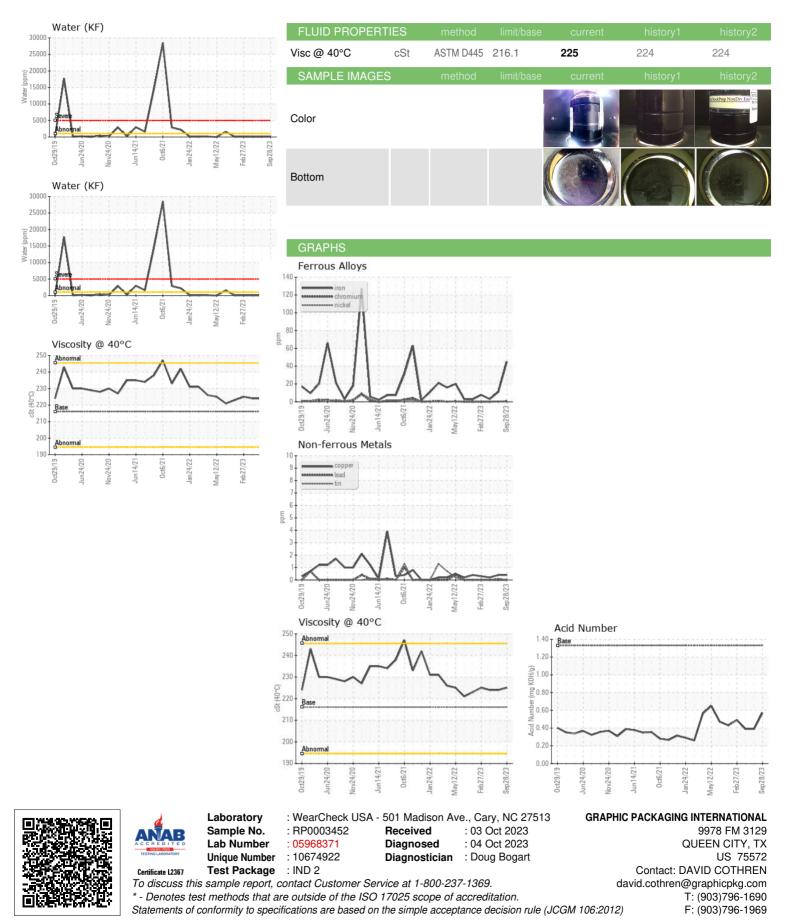
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NORMAL

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0003452	RP0031734	RP0031736
Sample Date		Client Info		28 Sep 2023	18 Jul 2023	27 Mar 2023
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	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	>90	45	11	3
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	<1	<1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	<1	<1	<1
Tin	ppm	ASTM D5185m		0	<1	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	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		2	0	<1
Calcium	ppm	ASTM D5185m		2	0	<1
Phosphorus	ppm	ASTM D5185m	370	- 374	351	302
Zinc	ppm	ASTM D5185m	0/0	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m		8		6
Sodium	ppm	ASTM D5185m	>60	3	3	o <1
Potassium	ppm	ASTM D5185m	>20	ہ <1	2	<1
Water	ppm %	ASTM D5185III		< 1 0.006	0.004	0.004
ppm Water	ppm	ASTM D0304 ASTM D6304		60.6	44.3	49.6
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.33	0.57	0.39	0.39
VISUAL	0 - 0	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
			NONE	NONE	NONE	
Precipitate Silt	scalar	*Visual	NONE	NONE		NONE
	scalar	*Visual			NONE	NONE
Debris Sand/Dirt	scalar	*Visual	NONE	NONE NONE	NONE	LIGHT
	scalar	*Visual	NONE		NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor Emulaified Water	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	NEG HRENECNTTEX
Free Water	scalar	*Visual		NEG	III. DAMA OD COL	THEGATIEX



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