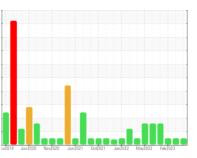


# **OIL ANALYSIS REPORT**

# Pulp Mill A-Line Machine Id 3A ThickStockPump NonDrive End (S/N Warren 125 HD)

**Non-Drive End Pump** 

**ROYAL PURPLE SYNERGY 90/220 (5 GAL)** 



Sample Rating Trend



## DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. 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.

		3v2019 Jun2	020 Nov2020 Jun2021	Oct2021 Jan2022 May2022	Feb2023	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0031724	RP0031727	RP0031058
Sample Date		Client Info		18 Jul 2023	27 Mar 2023	27 Feb 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	42	82	79
Chromium	ppm	ASTM D5185m	>5	<1	1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	<1	1	1
Lead	ppm	ASTM D5185m	>12	<1	0	0
Copper	ppm	ASTM D5185m	>30	<1	<1	<1
Tin	ppm	ASTM D5185m	>9	<1	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	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		0	4	4
Calcium	ppm	ASTM D5185m		0	2	12
Phosphorus	ppm	ASTM D5185m	370	396	401	426
Zinc	ppm	ASTM D5185m		0	2	8
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	28	24	20
Sodium	ppm	ASTM D5185m		<1	<1	1
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304		0.005	0.006	0.011
ppm Water	ppm	ASTM D6304	>.1	54.8	61.0	111.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.33	0.57	0.53	0.62
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	LIGHT	VLITE
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		NEG	NEG	NEG
E Mr.:	Joalai	*10001		NEO	DATES OCT	IDENE # ITTE

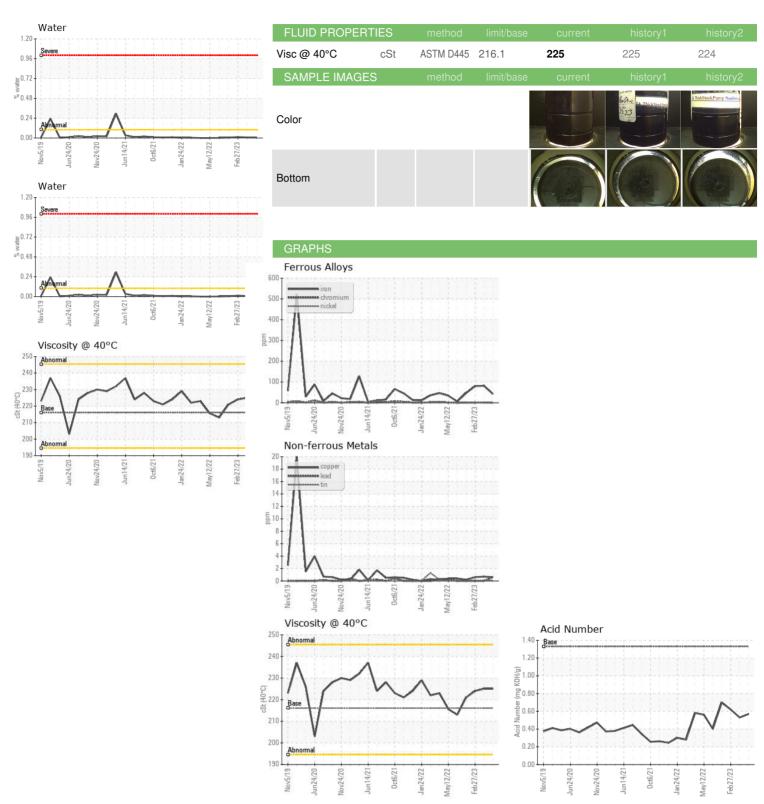
n: DANG COTHRENEONTTEX

**NEG** 

scalar \*Visual



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: RP0031724 : 05902861 : 10564217 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jul 2023

Diagnosed : 21 Jul 2023 Diagnostician : Don Baldridge **GRAPHIC PACKAGING INTERNATIONAL** 

9978 FM 3129 QUEEN CITY, TX US 75572

Contact: DAVID COTHREN david.cothren@graphicpkg.com

T: (903)796-1690 F: (903)796-1969

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

\* - 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)