WEAR CONTAMINATION FLUID CONDITION

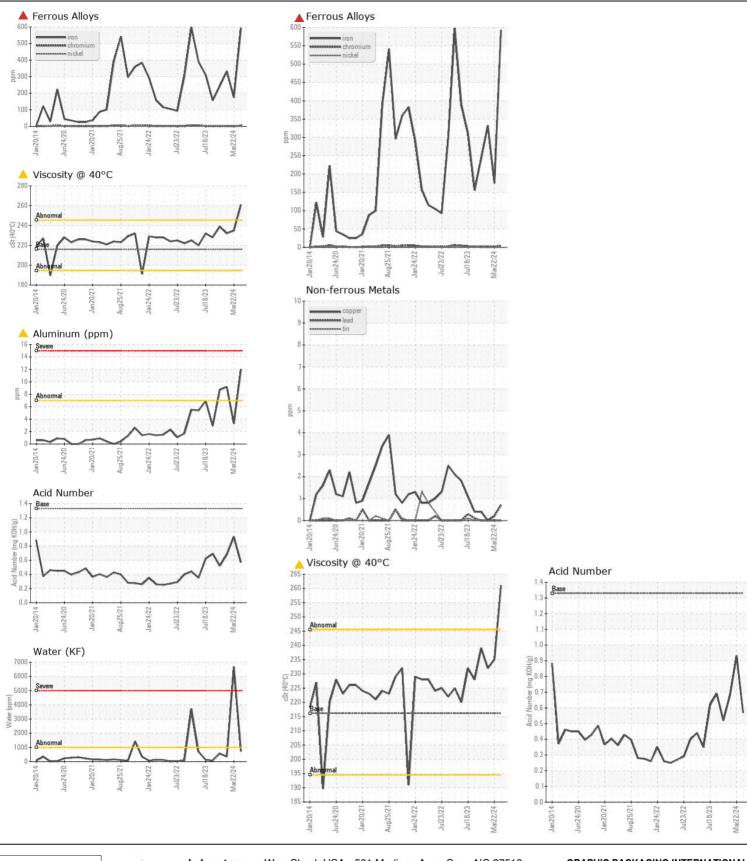
SEVERE ABNORMAL ABNORMAL

Pulp Mill A-Line

5A ThickStockPumpInput West End (S/N Warren 125 HD)

Drive End Pump

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	UOIVI	Client Info	LIIIII/AUII	RP0039773	RP0039769	RP003821
We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Date		Client Info		22 May 2024	22 Mar 2024	28 Feb 202
	Machine Age	mths	Client Info		0	0	0
	Oil Age	mths	Client Info		0	0	0
	Filter Age	mths	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				SEVERE	ABNORMAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>90	▲ 593	<u> </u>	<u></u> 332
The iron level is severe. The aluminum level is abnormal.	Chromium	ppm	ASTM D5185m	>5	5	1	2
The iron level is severe. The aluminum level is abnormal.	Nickel	ppm	ASTM D5185m	>5	<1	0	0
	Titanium	ppm	ASTM D5185m	>3	<1	0	0
	Silver	ppm	ASTM D5185m	>3	<1	2	0
	Aluminum	ppm	ASTM D5185m	>7	<u> </u>	3	9
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		<1	<1	0
	Tin	ppm	ASTM D5185m	>9	0	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>60	9	8	6
There is a moderate amount of visible silt present in the sample. The water content is negligible.	Potassium	ppm	ASTM D5185m	>20	0	0	0
	Water	%	ASTM D6304	>.1	0.073	△ 0.667	0.034
	ppm Water	ppm	ASTM D6304	>1000	730	△ 6670	350
	Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML 0.2%	NORML 0.2%	NORM NEG
	Emulsified Water	scalar	visuai	>.1	0.2%	0.2%	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	1
The oil viscosity is higher than normal. The AN level is acceptable for this fluid.	Boron	ppm	ASTM D5185m		0	0	0
	Barium	ppm	ASTM D5185m		5	<1	2
	Molybdenum	ppm	ASTM D5185m		<1	0	0
	Manganese	ppm	ASTM D5185m		5	1	3
	Magnesium	ppm	ASTM D5185m		3	4	5
	Calcium	ppm	ASTM D5185m	076	34	10	26
	Phosphorus	ppm	ASTM D5185m	3/0	528	454	444
	Zinc	ppm	ASTM D5185m	1.00	4	0 033	9
	Acid Number (AN)	-	ASTM D8045		0.57	0.932	0.68
	Visc @ 40°C	cSt	ASTM D445	∠10.1	<u>(</u>	235	232







Certificate L2367

Laboratory Sample No.

Lab Number : 06189747

: RP0039773 Unique Number : 11046499 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 **Tested** : 30 May 2024

: 30 May 2024 - Jonathan Hester Diagnosed

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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)

Contact/Location: DAVID COTHREN - INTTEX