

RECORDED BENEFITS

- Improved Yankee asset protection by reducing chatter
- Source of frequent reoccurring chatter identified
- Improved sheet quality via reduced vibration and chatter marks

OnGuard™ VBX Analyzer Helps Mill Identify Source of Chatter

OnGuard™ VBX Analyzer

Customer Challenge

Reoccurring Yankee chatter was an issue affecting sheet quality and as the chatter grew, it necessitated dryer grinds to improve quality and machine efficiency.

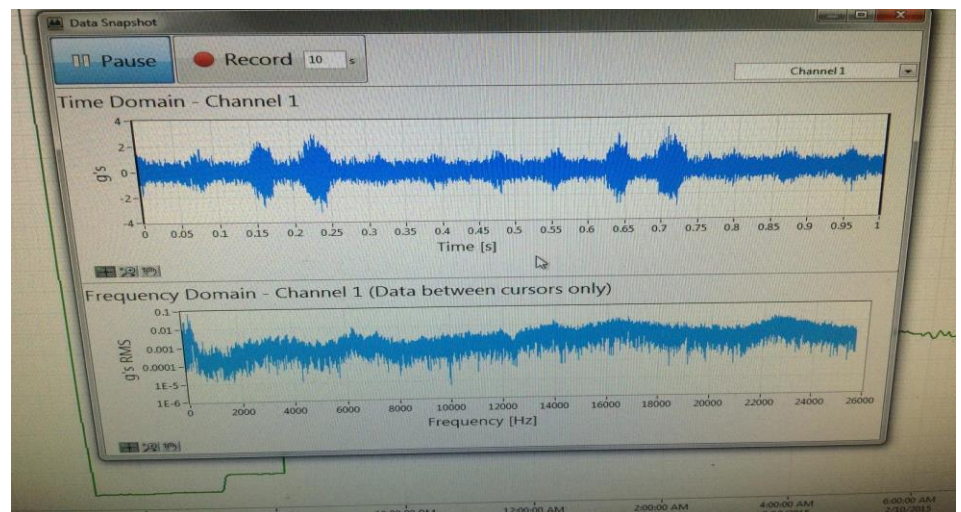
Recommended Solution

Solenis performed a machine audit and subsequently recommended and installed the OnGuard™ VBX Analyzer as a tool to assist in Yankee asset protection and coating optimization.

Results Achieved

The OnGuard™ VBX Analyzer allows the operator to take and record a snapshot of a single revolution of the Yankee dryer to assist in very low frequency analysis. This snapshot records the total vibration present for a given time and preserves the image for later overlays to document any change. The time domain clearly showed an issue corresponding with two of the six internal Yankee condensate headers. See Figure 1. The internal condensate headers were inspected, repaired and dryer sanded resulting in a level vibration for the circumference of the Yankee.

Figure1: Snapshot of two dryer revolutions



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