

LOCTITE*Adhesives for more
reliable assemblies***APPLICATION CASE HISTORY****No. 211****LOCTITE® 262 THREADLOCKER STOPS
BOLT LOOSENING DUE TO VIBRATION***Manufacturing Reliability Training Gives Maintenance Team The Know-How***Problem:**

An upper Midwestern tissue manufacturer was experiencing problems due to vibration-loosening of bolts that hold stops and guide rails on their paper machine rewinder. This was not a new problem, but one they had been having since the day the machine was installed.

Reel spools roll down the rails and are stopped by mechanical stops. The shock from the weight and vibration as these massive spools rolled down the rails was causing some of the bolts on the rails and on the stops to come loose. In fact, some cross-members were also coming loose, causing misalignment and runability problems.

**Solution:**

Using methods learned during a session of the Loctite Manufacturing Reliability Training Process conducted at this plant, the maintenance team leader applied Loctite 262 Threadlocker to all the mounting bolts and cap screws on the rails and stops of the paper machine.

Loctite 262 is a high strength threadlocker designed for extreme conditions. It is especially useful where fasteners are subjected to heavy shock, vibration and stress levels. Loctite 262 keeps assemblies secure until removed with heat and hand tools.

Results:

No additional loosening of the bolts was experienced after applying Loctite 262. The maintenance supervisor states that this has solved many of the problems they were having with the paper machine rewinder and prevented a substantial amount of downtime and labor for bolt retightening.

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