

LOCTITE*Adhesives for more
reliable assemblies***APPLICATION CASE HISTORY****No. 234****Loctite® Threadlocker Eliminates Fire Danger
When Servicing Chipper Unit In The Bush*****Pillow Block Bearings Easy to Remove Without Welding Torches*****Situation:**

Pulp mills frequently operate chipper units in the bush. When trees are chipped at the source and trucked to the pulp mill in a ready-to-use format, the mill saves on transportation costs.

The flail drum of the chipper unit is mounted to a pillow block bearing. These bearings are pounded by brutal service conditions, fusing the bearings to the drum. Disassembly and reassembly of the drum needs to be quick, but the bearings need to be removed without the use of welding torches. Welding torches and wood chips create a dangerous fire hazard in the bush.

Solution:

Loctite® 222 Threadlocker is a low strength threadlocker that is easily removed with hand tools. It seals against corrosion in high-moisture environments and will not shrink. Loctite 222 also provides supplemental retaining strength, extending the life of the bearing.

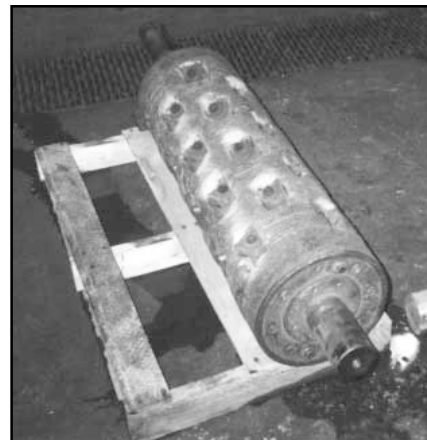
The shaft is first cleaned with Loctite® 7070 ODC-Free Cleaner and sanded as necessary. Locquic® Primer N is then sprayed on the shaft and the I.D. of the bearing. Beads of Loctite 222 Threadlocker are applied to the shaft and to the I.D. of the bearing so the engagement area is covered. Loctite 222 is then applied to the keyway and to the set screw and the parts are quickly assembled.

Results:

Loctite 222 has provided for easy serviceability of the chipper unit in the bush without threat of fire outbreak.



Loctite® 222 Threadlocker seals shaft and bearing engagement of flail drum chipper (see below) in the field, providing easy servicability without fire threat.

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