

LOCTITE*Adhesives for more
reliable assemblies***APPLICATION CASE HISTORY****No. 241**

Loctite® Threadlockers Help Eliminate Thread Rework; Cut Associated Costs By 69%

Situation:

A pulp and paper mill was experiencing reworks to the studs in their refiner cover. Air and moisture in the mill was corroding the studs. When the covers were removed, the studs would back out or the housing threads would strip. Each time maintenance personnel removed the covers they had to redrill the hole, then resleeve it. They looked to Loctite for a better solution to protect the studs and keep them in place.

Solution:

Loctite® 262 Permanent Threadlocker and Loctite® 242® Removable Threadlocker was recommended to solve the problem. Using Loctite 242 on the nuts allows easy access and removal of the refiner cover for maintenance, and Loctite 262 holds the studs in place, preventing back out and stripped housing threads.

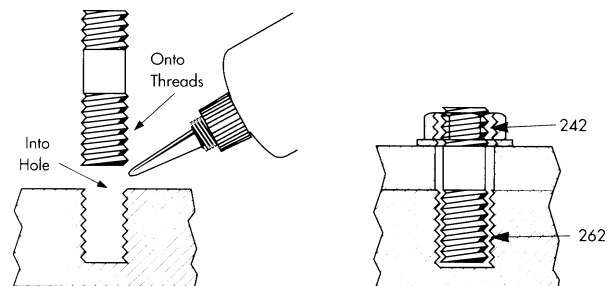
Maintenance personnel ran a tap through the holes to remove any leftover scale. Loctite 262 was applied to the studs and into the blind holes. The stud was reinstalled and tightened. Once the cover was reinstalled, Loctite 242 was then applied to the exposed threads and the nuts were tightened.

Results:

Loctite® Threadlockers were able to save the paper mill 69% on rework costs due to a reduction in labor and materials costs.



Loctite® Threadlockers can be used to eliminate thread rework such as in this refiner cover requiring drilling and tapping due to corroded and stripped threads. After tapping holes, use Loctite® 242 and Loctite® 262 as illustrated below to prevent further damage from occurring and to reduce labor and material costs.

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