

LOCTITE*Adhesives for more
reliable assemblies***APPLICATION CASE HISTORY****No. 236****Loctite® 290 Wicking Grade Threadlocker Stops
The Leak & Saves \$10,000 in Lost Production***Thermal Generating Station Eliminates Lengthy Unscheduled Shutdown***Situation:**

A thermal generating station discovered a hydrogen leak on the split half cover on the bearing pedestal of its generator. The station needed to repair it, but was looking at an unscheduled shutdown of the entire power generation system. The complete tear down to seal the leak would cost them a minimum of two days lost production time.

Solution:

Loctite® 290 is a medium strength threadlocker designed specifically for pre-assembled bolts up to 1/2" (12mm). This wicking grade threadlocker penetrates by capillary action, simplifying preventive maintenance. It is used to seal welds and porous metal parts, and protects threads from rust and corrosion.

After evacuating the coolant, a low vacuum was drawn on the housing and Loctite 290 was poured along all edge seams. Localized heat helped to speed the cure of the sealant. The hydrogen was then refilled at 4.5-6 lbs. pressure.

Results:

The whole repair procedure took just a few hours, saving the company a minimum of \$10,000 in labor costs and lost production.



Loctite® 290 Wicking Grade Threadlocker was used to stop a hydrogen leak, saving the company two days in unscheduled repair time.

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