

LOCTITE*Adhesives for more
reliable assemblies***APPLICATION CASE HISTORY****No. 251**

Instant Gasket Repairs Transmission Housing; Saves Lumber Mill \$12,500 In Replacement Costs

Loctite Manufacturing Reliability Training Gives Maintenance Team the Know-How

Situation:

Mobile equipment is used extensively in the lumber industry to transfer materials into and from the process equipment. Logs are transported into the mill by either rail cars or trucks and unloaded with cranes. Various mobile loaders handle wood chips, edgings, trimmings, and sawdust. Fork trucks handle several tasks from the production floor to the storeroom. Uptime of this equipment is critical to the mill's overall operation.

During a normal operating day, a lumber mill discovered that a loader's transmission housing had broken in the bottom bolt cover area. The loader was idled and the maintenance team formulated a repair action plan. Prior to the Loctite ProActive Maintenance Training, the maintenance staff would have replaced the damaged transmission with a rebuilt case costing \$10,000. Additionally, a replacement loader would have been rented to keep the mill in operation. The equipment rental fee costs \$2,500 per day.

Solution:

Since the maintenance staff attended the Loctite Manufacturing Reliability Training, they had learned a variety of techniques, procedures, and methods to overcome mechanical problems. It was agreed upon that Loctite® Instant Gasket was the ideal chemical tool to repair the housing.

Instant Gasket is a high performance RTV Silicone that forms reliable, long lasting seals. It is powertrain fluid resistant (oil and coolant) and non-corrosive. The operating temperature range is from -75°F to +450°F (continuous), 500°F (intermittent). In most cases, equipment can be returned to service immediately, while providing an operating strength up to 15 psi in one minute.

Loctite Instant Gasket is conveniently packaged in a "user friendly" pressurized handheld can that provides up to eight feet of gasket in every ounce. It also holds key specification approvals by Ford (WSE-M4G 323-A6), GM (988-5990), and Chrysler (GF-44-A).

**Results:**

Loctite Instant Gasket was applied and the housing was sealed in just a few minutes. The loader was back in service quickly, without having to replace the transmission housing. The cost of a rebuilt housing and equipment rental was avoided, saving a total of \$12,500.

Loctite Americas

U.S.A.
Loctite Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067
860-571-5100
Telefax: 860-571-5465

CANADA
Loctite Canada Inc.
2225 Meadowpine Blvd.
Mississauga, Ontario L5N 7P2
800-263-5043 (within Canada)
905-814-6511
Telefax: 905-814-5391

MEXICO
Loctite Company de México, S.A. de C.V.
Calzada de la Viga s/n, Fracc. Los Laureles
Loc. Tulpetlac, C.P. 55090
Ecatepec de Morelos, Edo. de México.
01-800-8499-412
Telefax: 011-525-787-9404