

**LOCTITE***Adhesives for more  
reliable assemblies***APPLICATION CASE HISTORY****No. 214****PREVENTIVE MAINTENANCE OF HEAVY  
EQUIPMENT WITH LOCTITE® PRODUCTS***Loctite Manufacturing Reliability Gives Maintenance Mechanic The Know-How***Problem:**

A Midwestern fine paper mill that processes round wood operates four large log handlers in their yard that were prone to oil leakage. The mechanic in charge found he was spending a substantial amount of time pressure washing each vehicle due to the oil and caked-on dirt. Because the vehicles couldn't be shut down for long periods of time, this pre-cleaning was taking time away from the normal preventive and proactive maintenance he was supposed to be doing.

**Solution:**

The maintenance mechanic was also attending the Loctite Manufacturing Reliability Training Process being conducted at the paper mill. This proactive training gives maintenance personnel the tools and knowledge to use Loctite products in a proactive manner, thus keeping equipment in operation for the long run and not waiting for a breakdown.

The mechanic started using Loctite® PST® 567 Thread Sealant, Loctite® PST® 545 Pneumatic/Hydraulic Thread Sealant, and Loctite® Gasket Eliminator® 518 on a proactive basis as he had learned in several modules of Loctite Manufacturing Reliability Training. Every time there was a broken fitting or flange surface on one of the vehicles, he would reassemble using one of these products. Because the Loctite products were stopping the oil leakage, fitting and machine faces were dry and yard dirt and dust did not cling to the equipment. The mechanic found it was becoming less necessary to clean the equipment prior to working on it.

**Results:**

"Now I can truly do long-term, preventive maintenance on these vehicles rather than wash them and fix leaks all the time," said the mechanic. The vehicles experience more operating time, are easier to work on, and maintenance is done more effectively. In addition, the mill management is happy because they no longer have to be concerned about safety and environmental problems due to oil in the yard.

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