

LOCTITE*Adhesives for more
reliable assemblies***APPLICATION CASE HISTORY****No. 215**

GASKET ELIMINATOR® PREVENTS PACKING SLEEVES FROM SEIZING

*Loctite Manufacturing Reliability Gives Maintenance Team The Know-How***Problem:**

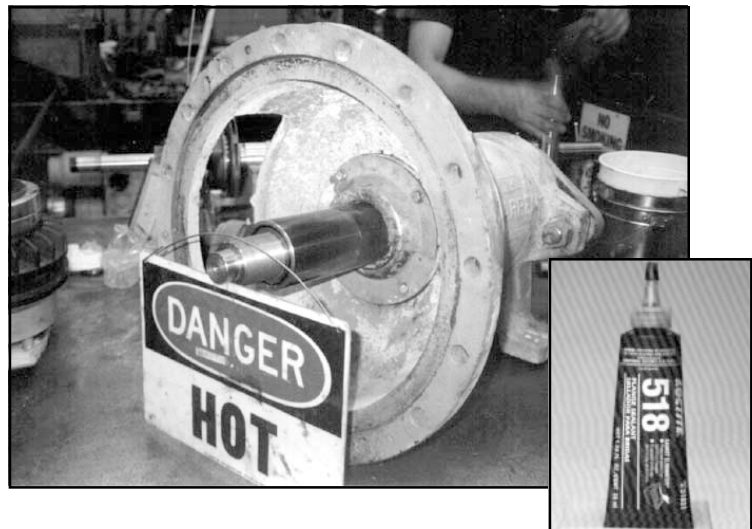
Recurring pump seizures were causing significant rebuild time and cost to a Midwestern tissue manufacturer. Fluid flowing under the packing sleeves was causing corrosion and seizure of the sleeves to the bearing frame shafts. The maintenance team had been attempting to solve the problem by applying an anti-seize compound to the shafts, hoping that it would prevent corrosion and seizure of the sleeves onto the shaft.

Solution:

The problem was discussed during a session of the Loctite Manufacturing Reliability Training Process being conducted at the paper mill. The Loctite Adhesives & Sealants Specialist suggested using Loctite® Gasket Eliminator® 518 as a light retaining compound and sealant. By applying Gasket Eliminator 518 to both ends of the sleeve, the fluid flow was stopped, thus eliminating corrosion and corresponding seizure. The sleeves were also prevented from rotating and fretting on the shaft.

Results:

Several pumps have been put into service using this method without any corrosion or seizure problems. Removal of the sleeves and cleanup of the shaft has been simplified; parts assembled with Gasket Eliminator 518 are easily disassembled by applying localized heat to the bond area. This pump rebuilding process has eliminated the need to cut the sleeve with torches, thereby avoiding bearing frame damage.

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