

## Loctite® 587™ Blue High Performance Silicone Provides Oil-Resistant Seal for Circulating Pump

### *Once-A-Year Maintenance Eliminates Danger of Pump Failure*

#### **Situation:**

The maintenance staff of a large pulp and paper mill in British Columbia, Canada needed a reliable gasketing method for their circulating pumps. This two-part pump pushes pulp through the system. The gasket must keep a tight seal to hold critical lubricating oils in and the pulp out.

The current gasketing method failed too quickly, and the gaskets had to be replaced twice a year. And although they were easily replaced during regularly scheduled maintenance periods, there was an increased chance of pump failure. Every time the seals leaked, the motor was in danger of burning up. If this happened, a new pump would mean a much higher cost to the mill. They needed a gasketing method they could rely on.

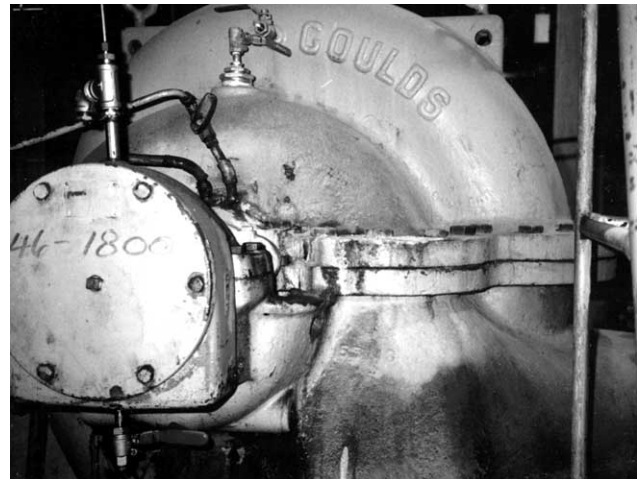
#### **Solution:**

Loctite® 587™ Blue High Performance Silicone is an industrial grade sealant for gasketing applications. It is three times more oil resistant than other silicones, and two times stronger between oily surfaces. Loctite 587 Blue is non-corrosive to aluminum, iron and steel, produces no vinegar odor, and withstands temperatures to 500°F intermittent.

During a regularly scheduled shutdown, maintenance personnel applied Loctite 587 Blue in a continuous bead around the mating surfaces of the pump half. The pump was assembled within 10 minutes and fixtured in less than 1 hour after application.

#### **Results:**

This preventive maintenance technique is now performed only once a year. Maintenance personnel of the paper mill feel confident, knowing that Loctite 587 Blue forms a reliable gasket on the pump. Labor, material costs and unscheduled shutdowns associated with the leaky seals have been eliminated.



*Loctite® 587™ Blue High Performance Silicone is the gasketing method used on the seals of this circulating pump. Loctite 587 Blue creates a reliable gasket that is replaced once a year as a preventative maintenance technique. There is no longer any danger of pump failure due to leakage of the seals.*

#### **USA**

Henkel Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067  
Tel: 860.571.5100  
Fax: 860.571.5475

#### **CANADA**

Henkel Canada Corporation  
2225 Meadowpine Boulevard  
Mississauga, Ontario L5N 7P2  
800.263.5043 (within Canada)  
Tel: 905.814.6511  
Fax: 905.814.5391

#### **MEXICO**

Henkel Capital, S.A. de C.V.  
Calzada de la Viga s/n Fracc. Los Laureles  
Loc. Tulpétlac, C.P. 55090  
Ecatepec de Morelos, Edo. de México  
Tel: 011.52.55.5836.1300  
Fax: 011.52.55.5787.9004