

Belzona Repaired Pump Lasts Six Time Longer Than a New Pump



Damaged steel end plate



Abraded end suction casing



Rebuilt and coated lime sludge pump

STATISTICS

CUSTOMER

Pulp and paper mill in
Thunder Bay, Ontario

APPLICATION DATE

1997

SUBSTRATE

316 Stainless steel

PRODUCTS

Belzona® 1311 (Ceramic R-Metal)
Belzona® 1391

APPLICATION SITUATION

316 Stainless Steel Lime Sludge Pump

PROBLEM

The pump that transports white liquor impurities over to the mud washer is referred to as the lime sludge pump. The abrasive material was deteriorating the stainless steel and was only lasting six to seven months and costing as much as \$14,000 to replace.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-13. The actual knives were rebuilt using C-clamps to form the exact shaft of the pocket without machining.

BELZONA FACTS

The repair usually lasts seven cycles (three to three and one half years), otherwise the \$14,000 pump has to be replaced twice a year.