



LOCTITE®

PRODUCTION LINE SAVED THANKS TO LOCTITE®'S STRENGTH

LOCTITE® 609™ RETAINING COMPOUND



Henkel Adhesive Technologies



Customer Challenge

An electro-coating company was facing a lot of down time required to remove and repair large gear boxes that drove a production line. The weight of the large gear box required a lift and several man hours to remove and reinstall. This was losing the company time and money each time the gear box went down. They needed a solution that had strength to retain the main gear coupling and could be easily repaired on the line.

Henkel Solution

The LOCTITE® expert came into the facility and cleaned and removed any surface contamination on the gear boxes metal components. They then used LOCTITE® 609™ retaining compound around the output shaft just ahead of the gear location as well as in the keyway. LOCTITE® 609™ is designed for the bonding of cylindrical fitting parts by curing in the absence of air and provides greater assembly strength than shrink fitting. It also allowed the coupling to be replaced with the gear box still in place.

Results

After testing, LOCTITE® 609™ proved to have much more strength than the shrink fitting previously used. There were less issues where the gear box needed to stop. If it did need to stop for any reason, it was able to be serviced without the need to be removed – saving the company time and money. LOCTITE® 609™ proved to be the solution that the company needed, as throughput increased and downtime decreased.

