



**LOCTITE**<sup>®</sup>

# PREVENT GASKET BLOW-OUTS WITH LOCTITE<sup>®</sup> THREADLOCKERS

LOCTITE<sup>®</sup> 263<sup>™</sup>  
THREADLOCKER



Henkel Adhesive Technologies



### Customer Challenge

A steel mill wanted to stop gasket failure on their spray water control valve flanges due to fastener loosening. Split ring washers would fail to maintain fastener torque causing clamp load loss on flange gaskets. Loss of clamp load would result in gasket blow-outs requiring immediate gasket replacement. A solution is needed to prevent fastener loosening from vibration.

### Henkel Solution

Team LOCTITE<sup>®</sup> recommended LOCTITE<sup>®</sup> 263<sup>™</sup> for this application. After disassembly no cleaning is required to prepare the flange bolts for LOCTITE<sup>®</sup> Threadlocker application. Used split ring washers may be replaced with less costly flat washers. LOCTITE<sup>®</sup> 263<sup>™</sup> is applied to the M20 bolt threads and the nuts are tightened to gasket clamp load specifications. LOCTITE<sup>®</sup> 263<sup>™</sup> locks and seals threaded fasteners to prevent vibration loosening and internal corrosion. Maintaining flange clamp load prevents gasket blow-out and eliminates unplanned valve repairs. This in turn reduced unplanned downtime and lower maintenance costs for the steel mill.

### Benefits

- Prevents threaded fastener loosening
- Lowers maintenance costs
- Reduces unplanned downtime

