

TEADIT[®] Chemical Slurry CASE HISTORY

INDUSTRIAL SEGMENT

Chemical Processing

APPLICATION

Chemical Slurry

Equipment

Slurry Pump

SCENARIO

A chemical processing facility was having issues maintaining adequate sealing on a slurry pump with their existing packing, requiring retightening every few hours.

SOLUTION

Teadit worked with the customer to replace the existing packing with our Style 2007 graphited ePTFE packing. Traditionally, aramid fiber packings are the common choice in slurry applications due to their wear resistance in abrasive environments. However, this unique application required extra consideration due to the chemical nature of this particular slurry. Style 2007 is manufactured from Teadit's proprietary EG8G-S yarn which features fine particles of graphite encapsulated in expanded PTFE. This high strength yarn combines the strength and chemical resistance of expanded PTFE with the heat resistance of graphite making for a robust mechanical packing that is suitable for a wide range of services. Its sister packing, Style 2017, add aramid fibers in the corners of the braid for additional reinforcement in extremely abrasive environments. For this application, the 2007 was deemed suitable and was installed utilizing best practices.

CUSTOMER GAINS

By providing a high-quality packing and training the customer's team on proper installation and shaft care/inspection practices, Teadit was able to completely eliminate the leakage issues they were experiencing and provide significant maintenance, downtime, and operating expense savings to the tune of \$75,000 in the first month of leak free operation.

