

TEADIT[®] 2773 Wastewater Treatment CASE HISTORY

INDUSTRIAL SEGMENT

Wastewater Treatment

APPLICATION

Effluent Water

Equipment

Pumps



SCENARIO

A wastewater facility was utilizing a graphite packing in their pumps and experiencing numerous issues (shaft scoring, short run duration, constant retightening, etc.). The issues were identified as both the incorrect type of packing for the application and poor/incorrect installation practices.

SOLUTION

Teadit's technical team recommended using our style 2773 packing, made from Novoloid and other high strength synthetic fibers to handle the abrasive nature of the solids in effluent water. It was also recommended that the pump shaft material be changed to a hardened martensitic 410 stainless steel. Additionally, the customer's maintenance personnel were trained on proper pump compression packing installation practices.

CUSTOMER GAINS

The replacement frequency of the packing was increased by 3-4X and the leakage/retightening and shaft scoring issues were all resolved resulting in a significant reduction in maintenance and operating costs for their pumps.