

TEADIT® 2773/2202 for Pumps in the Sugar Industry CASE HISTORY

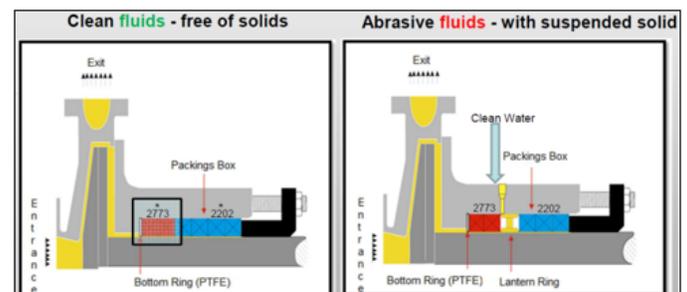
SCENARIO

A world leader in the agribusiness industry began experiencing excessive leakage of products and by-products, as well as having multiple pump failures all due to abrasive media and the wrong installation of material. They were spending excessively for maintenance cost, material loss, equipment damage and cleaning all while intaking high amounts of water consumption. They needed a resolution quickly.



SOLUTION

Teadit was asked to come in and perform an analysis of the problem at hand which led to the presentation of a possible solution in the combined efforts of two Teadit style packings, 2773 and 2202. With the abrasive media they suggested putting 2773 in the bottom of the stuffing box to try to exclude the abrasive media from the set. It also would act as a bull ring to eliminate extrusion. Teadit then suggested following it with a lantern ring, so clean flush water could cool and clean the packing. Then 2202 should be placed after the lantern ring to compress and seal the 2773 without putting wear on the packing sleeve, giving longer packing life with less wear on the sleeve. In the clean media they should eliminate the lantern ring because it did not require the flush water. Along with this suggestion of a new sealing material combination Teadit proposed that they come in and provide practical training to the plant over dimensional analysis of the sealing systems, materials recommended to be used and best practices in sealing. All of which the customer was happy to agree to testing out.



CUSTOMER GAINS

The training, as well as the tests of the new sealing materials, were highly successful. Teadit was able to reduce labor cost for maintenance on the pumps and supplied the customer with stock on the products to ensure they would have access to the correct sealing materials moving forward. All in all, Teadit was able to provide the customer an annual savings of \$50,000.