

Challenge

Goal

A pulp mill experienced severe problems with many digester area applications:

- The combination of high pressure and high temperature forms a tremendous sealing challenge
- The plant tried to solve the problem with various types of packing but most of them consolidated quickly and failed

Solution

Product

A combined Chesterton packing solution of **Chesterton 1830 SSP** and **Chesterton 477-1T**.

Chesterton 1830 SSP is a graphite and PTFE packing made for use in pumps, agitators, mixers and other rotating equipment.

Chesterton 477-1T is used as end rings and designed to be used in high pressure feeders, pre-steaming vessels, and applications that are moving abrasive slurries.

Results

Increased service life of digester by reducing packing consolidation with these higher density packings that maintain sealing with minimal leakage.



Digester.



Chesterton 1830 SSP.



Digester sealed.