

TEALON™ TF1580 CASE HISTORY

INDUSTRIAL SEGMENT

Pulp and Paper

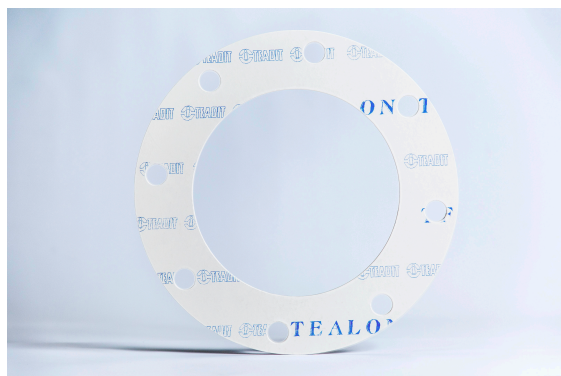
APPLICATION

Fluid(s)

White and black liquors

Equipment

Spiral heat exchanger



SCENARIO

This equipment often suffered internal leakage and clogging of its channels due to the fragmentation of the original gasket, affecting its thermal performance. A skived PTFE gasket presents a fragile behavior when compressed by the fins of the heat exchanger.

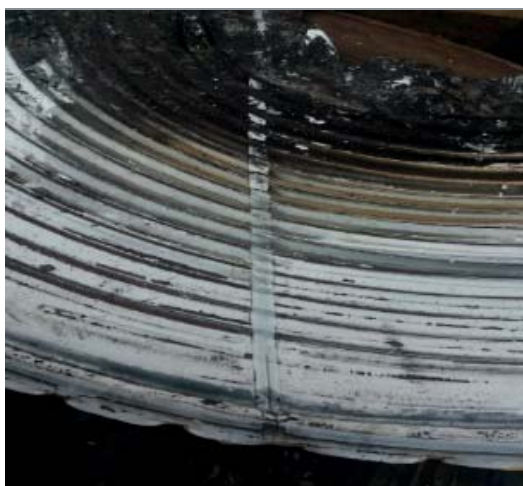
Steam injection was a frequent practice to maintain the required level of steam necessary for equipment operation, resulting in atypical operational cost of \$225,000.00 every 6 months.

SOLUTION

Tealon™ TF1580 was specified for this application. TF1580 is a restructured filled PTFE material that, due to the lamination process of which is submitted, presents excellent sealability as well as elevated chemical and mechanical resistance, important requirements for this application.

CUSTOMER GAINS

The internal leakage as well as the head loss generated by the original gasket fragmentation were eliminated from the system. With the return of the optimum operational conditions, the customer no longer needed to spend \$225,000.00 per semester with steam addition to the process.



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