

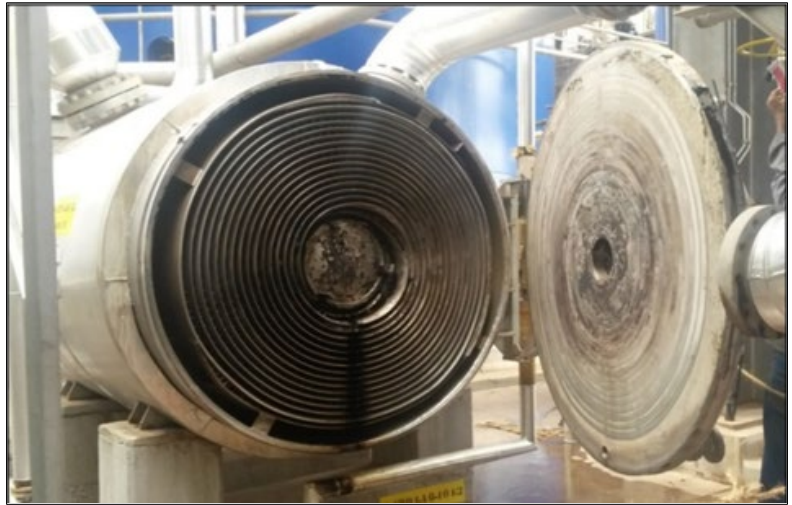
TEADIT® NA1100 CASE HISTORY

APPLICATION

Spiral Heat Exchanger

SCENARIO

A global leader of heat transfer, separation, and fluid handling came to Teadit for consultation on an issue they were experiencing with the gasket being used in one of their spiral heat exchangers. The gasket being used contained carbon fiber with a NBR binder and was supplied in segments. Each segment was dovetailed and glued together in an attempt to make one large gasket. Over time, the joints would open and lead to an unacceptable leakage. This leakage would result in inefficiency of the heat transfer process and potential loss of containment.



SOLUTION



Teadit is a manufacturer of sheet gasketing materials including fiber gasket sheets. Standard manufacturing processes limit sheet sizes. Teadit has the ability to produce oversized sheets up to 118" x 125". After careful analysis of the application, Teadit recommended gasket style NA1100, supplied in one piece with no segments, thereby eliminating the potential of failure at the glued joints.

CUSTOMER GAINS

The customer installed the one-piece NA1100 gasket and was able to achieve a leak-free seal. This has resulted in less maintenance, saving them time and dedicated manpower. After one month, the customer was convinced of its ability to continue to provide a leak free seal, and they ordered six additional gaskets making this their new standard equipment gasket.