HOLZ Rubber Company, Inc.

Application Data Sheet

Adding Reinforcement to a High-Temp Expansion Joint Improves Reliability

Application:

Process air ducting expansion joint in a chemical plant.

Problem:

A Chemical Processing Plant reached out to a Holz Distributor regarding a leaking High-Temperature Expansion Joint that they discovered during an inspection. One of the belt style Expansion Joints was filling with air like a balloon, and the splice was beginning to tear. The plant requested help from our distributor to find a way to repair the joint before it could

Solution:

Holz reviewed the pictures and specifications provided by the plant and determined that the existing Expansion Joint was made of a non-reinforced material and supplied with an overlap cold splice. The lack of reinforcement material allowed the installed joint to balloon outward and cause additional stress to the already weak splice. Holz Engineering recommended replacing the failing joint with an endless High-Temp EPDM belt with fiberglass reinforcements. Replacing the existing High-Temperature Expansion Joint with an engineered solution eliminated a forced outage due to a poorly designed and spliced Expansion Joint.