Engineering pigtail treatment

Pigtails are used to transfer syn-gas from reformer tubes to manifolds and experience high stresses from temperature and pressure. Common failure mechanisms include creep rupture, cracking at bends ...

Factors such as grain size, metal wall temperature and stress concentration significantly determine the safe service life of 800 series alloy materials for outlet components of reformer such as ...

What are Pigtails? A pigtail is a coiled or looped section of tubing used in piping and instrumentation systems to absorb vibration, manage thermal expansion, and protect pressure instruments from ...

Design of SMR heaters is carried out by use of industry practice documents and computer aidied engineering (CAE) software to perform tube / pigtail / header thermal expansion stress and reaction ...

The pigtails provide an easy means to terminate blunt end trunks pulled through conduit as well as recover trunks that get damaged during installation. The pigtails save time by eliminating the need to ...

In various power engineering projects such as rural grid renovation, urban distribution upgrades, and renewable energy power station connections, pigtail bolts play an indispensable role.

This case study details the failure of recently replaced inlet pigtail pipes for a hydrogen reformer furnace.

MCSC successfully completed the replacement of pigtails including the support systems on both the Ammonia and Methanol reformer during a major shutdown in March 2015.

* Spray the pigtail and its connection point with an oxygen compatible leak testing solution. The solution will form large bubbles if a leak is present. * Conduct pressure testing on the pigtail by slowly ...

PTFE, PTFE hybrids such as "post sintered," and ETFE thermoplastic hoses maintain pressure capacity while dramatically reducing permeation. Their flexibility and durability are much more appealing than ...

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