

PVP 2009

2009 Pressure Vessels & Piping Conference



July 26-30, 2009

Prague, Czech Republic

Proceedings of the ASME 2009 Pressure Vessel and Piping Division Conference
PVP2009

July 26-30, 2009, Prague, Czech Republic

PVP2009-77828

ANALYSIS OF FCC EXPANSION JOINTS MOVEMENT TEST

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ABSTRACT

The Turboexpander is an equipment that works under very critical conditions requiring very low allowable nozzle forces and moments. A solution to minimize the piping loads transmitted to the equipment is the use of expansion joints. A usual piping stress analysis normally is not enough to guarantee the turboexpander reliability. This paper shows the results obtained in a movement test realized on metallic bellows expansion joints (EJ) used in a turboexpander piping system.

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