

CLOCK SPRING®

Application Note

B31.4 Approval

Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids

American Society of Mechanical Engineers (ASME) approved Clock Spring® composite repair for repairing pipelines covered by B31.4 "Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids". This approval was originally issued as a "code case" in 1997. A 'case' is the official method of handling a modification to the existing code or grants permission to use new materials or alternative constructions. Clock Spring® is Case #167 and was published in 1997. This 'case' is printed in the 1998 Edition of B31.4.

B31 Case 167

Use of Mechanically Applied Composite Material Wrap for Pipeline Repairs, B31.4

Approval Date: April 1997

This case shall expire on April 30, 2000, unless previously annulled or reaffirmed

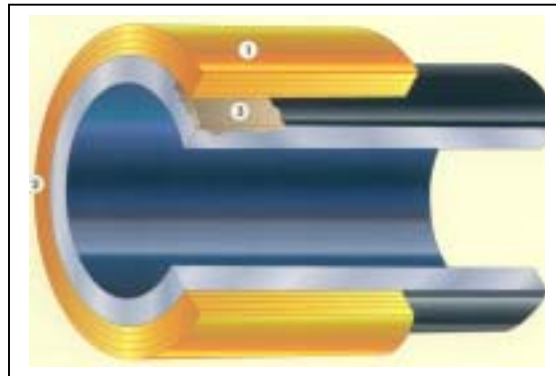
Inquiry: Under what conditions may mechanically applied composite material wrap be used for pipeline repairs covered by para. 451.6.2 (b)?

Reply: It is the opinion of the committee that if it is not practical to take the pipeline out of service, nonleaking corroded areas may be repaired by the installation of a mechanically applied composite material wrap used to reinforce the pipeline. Mechanically applied composite material wrap may be used provided that design and installation methods are proven for the intended service. The user is cautioned that a written qualified procedure performed by trained personnel is a requirement, and the record shall be retained in accordance with para. 455.

The 1998 printing of B31.4 includes a paragraph under clause 451.6.2 (c) (14) Disposition of Defects, Repair Methods.

451.6.2 (c) (14): " Mechanically applied composite material wrap may be used to reinforce the pipeline provided that design and installation methods are proven for the intended service prior to application. The user is cautioned that a qualified written procedure performed by trained personnel is a requirement and records shall be retained in accordance with para. 455.

Clock Spring® is approved.



Simply the smartest pipeline repair decision you can make!

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