



Permanently repair pipe defects in 1 hour without welding to the pipeline or interrupting operations

“CSA recognizes the STEEL COMPRESSION REINFORCEMENT SLEEVE”

June 2003 Edition - CSA Z662, clause 10.8.5.4.4

Petro-Line is pleased to announce that the latest edition of the CSA Z662 Standard has recognized the STEEL COMPRESSION REINFORCEMENT SLEEVE Repair. The **PETROSLEEVE**® Repair System meets and exceeds all the requirements of the new Z662 standard.

[Nisku, Alberta, August 2003]: The Canadian Standards Association (CSA) recognizes the “Steel Compression Reinforcement Sleeve” repair method. With the **PETROSLEEVE**® meeting and exceeding Z662 standard, the Oil & Gas Industry benefits from a revolutionary repair method for permanently repairing pipelines. Prior to the recent June 2003 Z662 code issue, the only acceptable method to repair stress concentration type defects (i.e. cracking) was by grinding, welding on a pressure-containing sleeve, or cutting out the defect. Today, the **PETROSLEEVE**® Repair System offers pipeline owners an incredibly **cost effective, safe, reliable and proven solution!**

To date, over 1700 **PETROSLEEVE**® Repair Systems have been installed in the USA, Canada, Mexico and, most recently, in the Dominican Republic.



The **PETROSLEEVE**® meets or exceeds the CSA standard for the “Steel Compression Reinforcement Sleeve” repair.

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www.petrosleeve.com
www.petroline.com

The road to CSA Approval

1997: We first contacted the CSA.

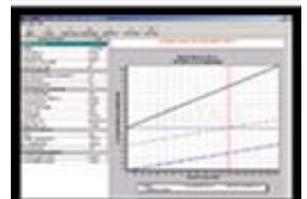
1998: CSA organized a Working Team for technical evaluation.

2002: Proposed new clauses were sent to technical committee for vote.

July 11, 2003: CSA Standard Z662 (Oil and Gas Pipeline Systems) recognized the Steel Compression Reinforcement Sleeve repair.

The CSA's review included many meetings at the sub-committee level and presentations at key stages. The participants at these meetings represented various pipeline operators and regulators who offered to examine this new technology. At these meetings, we answered a multitude of questions, and provided extensive full-scale testing and audit reports. Following the conclusion of the sub-committee meetings, we provided information and supporting documentation to the Technical Committee members.

During this time period, organizations in the USA, Canada, Mexico and the Dominican Republic reviewed the technology. Following these reviews, **PETROSLEEVE**® Repair Systems were installed to repair corrosion, seam cracking, and SCC.



PETRO-LINE



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