



# 12" Gasoline Pipeline Repair using ClockSpring® Sleeve

## 1 Coating Removal & Surface Preparation

Identified dent on 12" gasoline pipeline during inspection. Coating removal and surface preparation was carried out to achieve SA2.5 profile by sand blasting. Performed Inspection to ensure that no cracks are present.



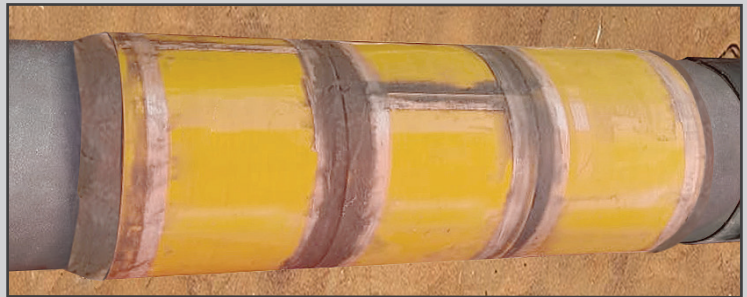
## 2 Single Wrap Mold

Applied Clock spring® filler to defect and secured single wrap mold. Approximate curing time - 1-1.5 hours. Removed single wrap mold and inspected filled area for voids.



## 3 Install Clock Spring® Sleeve

Applied Clockspring® composite sleeves as per STD procedure.



## 4 Viscotaq® Viscowrap Application

Covered composite repaired area using Viscotaq® viscous elastic corrosion prevention wrapping materials as per STD procedure. Extended the wrapping by making overlap to existing coating.



## 5 PVC Outerwrap Application

Applied Viscotaq® PVC Outerwrap as mechanical protection to inner corrosion prevention layer as per STD procedure.



## 6 Design Criteria

Defect	:	External Dent
Design Pressure	:	100 bar
Temperature	:	Ambient
Pipe Material	:	API 5L X65
Dent Depth	:	24 mm
Design Life	:	20 Years