

Case Study
High Temperature 30" Gas Pipeline
with Sever External Metal Loss
Viscotag® (Viscous Elastic Coating)



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1 Surface Preparation

30” Gas Pipeline suffered severe external corrosion defects due to coating failure. Existing coating removed and the pipe was surfaced prepared to SA 2 ½.



2 Clock Spring® Contour Application

The external pitting and metal loss areas were filled using fast curing steel putty. Clock Spring® Contour was applied over the defected areas to reinforce and strengthen the pipeline and restore the original operating and design parameter.



3 Viscotaq® Viscowrap Application

Upon completion of the reinforcement layer, Viscotaq® (Viscous Elastic coating) Inner Wrap (Blue) and Outer Wrap PE (Black).



4 Design Criteria

Operating Pressure	: 63 bar
Operating Temperature	: 50 deg C
Defect Type	: External corrosion
Size	: 30”
Material	: API 5L – X 60
Defect Analysis	: External metal loss