



Steel Pipe and Corrosion Protection

Featuring Polyshield HT™

Project:
Suban Gas Pipeline

Location:
Suban
South Sumatra
Indonesia

Owner:
Gulf Oil Company

Applicator:
Sandvig PTE, Ltd.

System:
POLYSHIELD HT™ with
AE-4 (Adhesion Enhancer)

Total Area:
Approximately
231,377 square feet

Completion date:
September 2002

PROBLEM:

The owner needed a tough, corrosion resistant coating to line the outside of steel gasline pipes. In addition, the location of the gas pipeline deep in the jungles of Indonesia posed a huge challenge for accessing the eleven miles of gas pipeline.

SOLUTION:

Polyshield HT™ was chosen due to its high tensile strength, rapid cure time, and ability to form a seamless membrane to the pipeline. To help overcome the logistical challenges, SPI provided expertise for setting up an automated lathe to spray the pipes. Utilizing a time saving field joint application and the automated spray lathe allowed for same day backfilling. The result of this crucial process saved considerable time and money.

The exterior surface preparation, approximately 11 miles of 12", 16", & 18" gas pipeline, consisted of wire wheel abrasion and a MEK or Acetone wash. Polyshield HT™ with AE4 (adhesion enhancer) was sprayed at a thickness of 60 mils. No primer was needed due to the use of AE-4 adhesion enhancer, allowing the Polyshield HT™ to bond directly to the steel.

RESULTS:

The Gulf Oil Company through working in partnership with the applicator and SPI were able to protect their valuable gas pipeline investment and not over-inflate the project cost.



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