

# Belzona seals and reinforced gas pipeline Guleng Chemical Plant

ID: 8262

Industry: Chemical & Petrochemical

Application: VPF-Valves, Pipes and Fittings

Substrate: Carbon steel

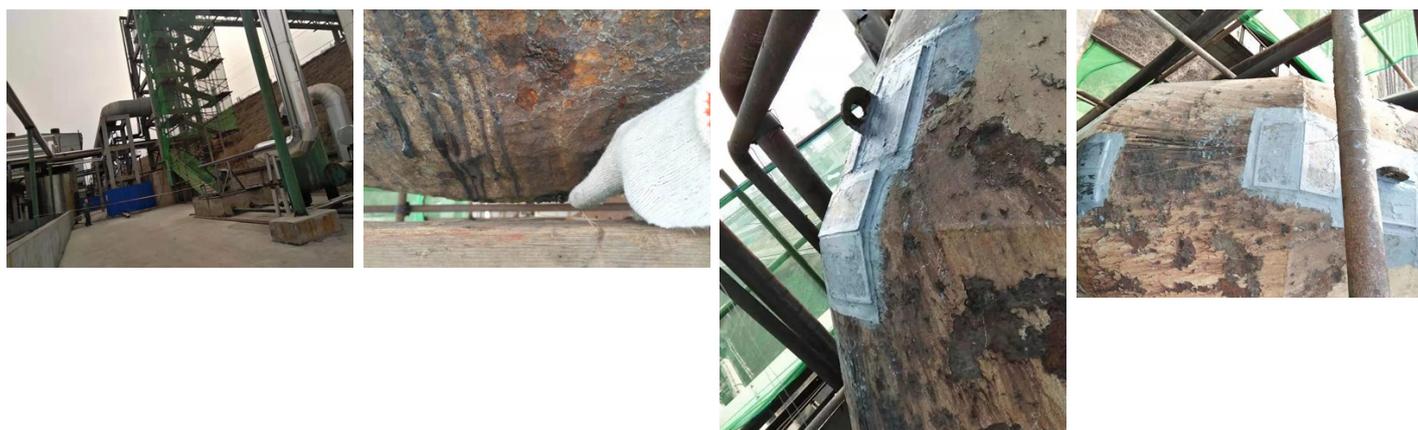
Products: \* Belzona 9611(ES-Metal) ,  
\* Belzona 1212 ,  
\* Belzona 1221(Super E-Metal) ,

Customer Location: Qian'an, Hebei, China

Application Date: February 2019

## Problem

Due to the long-term contact of the gas pipeline with the harsh environment inside and outside(As the gas is transported for a long distance, the temperature continues to decrease, and the water vapor in the gas condenses. The salty substances in the gas dissolve in the condensed water to form an aqueous solution with higher salt content; There are corrosive compounds in the gas, which dissolve in water and chemically react with the metal on the inner wall. Acidic substances dissolve in the condensed water, resulting in acid corrosion due to the low pH value. Then, under the action of the physical erosion of dust, it brings serious harm to the pipeline.), the gas pipeline has suffered from thinning walls and pitting after long-term operation. There are 4 leaking spots in the gas pipeline, which leads to potential safety hazards. It is necessary for an urgent on-site application to seal reinforce the gas pipeline.



## Photograph Descriptions

- \* Application site overview ,
- \* Corroded pipeline ,
- \* Leakage repaired ,
- \* Application complete ,

## Application Situation

This gas pipeline section(Chemical First Section Guleng HK17) is approximately 25m high from the ground, with normal temperature and pressure of 20Kpa.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
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## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet VPF-11.

## Belzona Facts

With no need for downtime and hot work, Belzona cold bonding on-site application is increasingly chosen by customers for the repair and maintenance of equipment.

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