

BELZONA SUPERWRAP II PROTECTS PIPELINES FOR CHEMICAL PLANT

ID: 8258



PROBLEM

Corrosion and thinning of the auxiliary pipeline of the catalytic safety valve have affected the safe operation of the asset. To ensure the safe operation of the equipment and the safety of staff and property, the thinning areas of the pipeline are repaired and reinforced with Belzona SuperWrap technology.

APPLICATION SITUATION

Four DN150 safety valve auxiliary pipelines, designed for transferring oil, gas and water. The operating temperature is up to 150 °C, with a pressure of 0.3MPa. The initial wall thickness is 4.5mm, and the current regional thickness is 1.8mm. It is necessary to repair and reinforce the pipelines with reinforcing sheets. The length of each repair will be about 2 metres.

APPLICATION METHOD

Application carried out in accordance with Belzona Know-How System Leaflet VPF-11. First, have the pipeline substrate prepared and cleaned to make sure it is clean, dry and rough; Then use Belzona metal repair material to repair the thinned and defected areas to restore the integrity of the substrate. Last, use the release film to wrap and consolidate the repair.

BELZONA FACTS

Pipeline maintenance is a key task in most major industries. Common causes of damage and deterioration of pipes and joints include impact, damage, corrosion, erosion, and chemical attack, which often lead to hidden safety hazards. Belzona offers a series of cold-cure repair composite materials that can be used to reconstruct pipeline substrates and restore the strength of weakened or perforated pipelines with outstanding corrosion and corrosion resistance and excellent chemical resistance.

INDUSTRY

Oil & Gas

LOCATION

Heze, Shandong, China

APPLICATION DATE

August, 2019

PRODUCTS

Belzona 1511(Super HT-Metal)
Belzona SuperWrap II

SUBSTRATE

Steel

PHOTOS

1. In-site conditions
2. Wrapping application in progress
3. Application of release film
4. Application complete

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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