

BELZONA SUPERWRAP II PROVIDES CORROSION PROTECTION FOR BURIED PIPING

CUSTOMER

Shaanxi, China

APPLICATION DATE

July 2016

APPLICATION SITUATION

This oil pipeline is deeply buried about 1.5 meters under the ground and has been operating in a humid environment for a long time, with the body of pipeline severely corroded.

PROBLEM

Thin wall and pitted surface on this pipeline.

PRODUCTS

Belzona 1161 (Super UW-Metal)
Belzona SuperWrap II

SUBSTRATE

Carbon steel

APPLICATION METHOD

Application carried out in accordance with Belzona Know-How System Leaflet VPF-II using Belzona SuperWrap II technology with installers, supervisors and designers who had been fully validated trained with this system.

BELZONA FACTS

During regular maintenance, the client detected the reduced wall thickness of the pipeline and the need of taking effective measures to ensure safe production. However, replacement of new pipelines requires downtime operations, long application window, and on-site hot work which means safety hazards and high costs. General pipeline repair systems could not provide strong pressure holding ability and cause galvanic corrosion when carbon fiber reinforced belt contacts the pipeline body, which will further aggravate corrosion. The new generation of Belzona SuperWrap system does not require hot work during the application process and uses only insulating materials offering strong pressure holding ability, so that the above problems are avoided. This system can be applied on-site to quickly restore the original strength of the pipeline without any operating downtime.

PICTURES

1. Severely rusted layer on the pipe surface;
2. Explosion-proof water blasting for surface preparation;
3. Applying pipeline wrapping;
4. Application complete



1.



2.



3.



4.

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

ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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