

# Belzona Expands the Life of Expansion Joint

ID: 4684

Industry: Chemical & Petrochemical  
Application: MPT-Mechanical Power Transmission

Customer Location: On-shore GOSP, KSA  
Application Date: 2013

Substrate: Rubber  
Products: \* Belzona 4301 (Magma CR1 Hi-Build) ,  
\* Belzona 4311 (Magma CR1) ,  
\* ,

## Problem

During the start-up, the 34inch expansion joints in the flare header started leaking forcing the plant to shut down under this emergency situation.



## Photograph Descriptions

- \* Lining in action ,
- \* Lining completed ,
- \* Expansion joint application ,
- \* Application finished ,

## Application Situation

Gas oil separation plant had a pipe line of nearly 25 years old and the expansion joints started leaking during the start up. Under such circumstances, considering the safety of the plant and personnel, the customer opted to go for the repair and refurbishment of all expansion joints.

## Application Method

The application was carried out in accordance with modified Belzona Know-How System Leaflet MPT-06. Rebuilding and machining of sealing faces was carried out with Belzona 4301. Internal coating/non sealing faces were coated with Belzona 4311.

## Belzona Facts

All six expansion joints were tested for "Zero leakage" and installed back to the flare header. The expansion joints are working fine to date, without any leaks.

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

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

Belzona products are  
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