

## BELZONA EXPANDS THE LIFE OF EXPANSION JOINTS

### CUSTOMER

On-shore GOSP, Saudi Arabia

### APPLICATION DATE

2013

### APPLICATION SITUATION

34 inch expansion joints on a 25-year-old pipeline

### PROBLEM

After restarting following a shut down, expansion joints in the flare header started leaking, forcing the plant to shut down under an emergency situation.

### PRODUCTS

Belzona 4301 (Magma CR1 H-Build)

Belzona 4311 (Magma CR1)

### SUBSTRATE

### APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-06. Belzona 4301 was used for the rebuilding of the seating faces and pitting damage. Belzona 4311 was used as the internal coating of the expansion joints.

### BELZONA FACTS

The internal of the expansion joints had not been inspected and the internal conditions were not known. The customer had no drawings / technical specifications with respect to gaskets. However, there was also a very short lead time for repairing the six expansion joints. All six expansion joints were tested for "Zero leakage" and were installed back to the flare header with the full satisfaction of the customer. All the six expansion joints are working fine to date, without any leaks.

### PICTURES

1. The expansion joints taken out of operation
2. The damage before
3. Application in progress
4. Completed application



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