

## BELZONA RESTORES SAFETY VALVE SEAL

### CUSTOMER

Power plant, Bulgaria

### APPLICATION DATE

June, 2005

### APPLICATION SITUATION

Safety valve in cooling water system

### PROBLEM

Damaged mating surface in the safety valve was allowing back-flow of water

### PRODUCTS

Belzona® 2131 (D&A Fluid Elastomer)

### SUBSTRATE

Steel

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How Leaflet GSS-1. Two forming rings (inner and outer to the valve diameter) were used to create the diameter profile and top plate used to form actual sealing face.

### BELZONA FACTS

New valves were not available so the sealing surfaces were removed and Belzona® 2131 moulded to the original sealing profile. Belzona provided fast return to service. The alternative hot vulcanization required special equipment and extra time.

### PICTURES

1. The safety valve plate
2. The inner and outer forming rings put on the valve plate
3. Belzona® 2131 poured in the gap between two forming rings
4. The top forming plate clamped to form precise mating surface



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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