

# BELZONA REPAIRS TRANSFORMER FLANGE OIL LEAK

ID: 1491

**Industry:** Buildings & Structures  
**Application:** GSS-Gaskets, Seals and Shims  
**Substrate:** Steel  
**Products:** \* Belzona 2221 (MP Fluid Elastomer) ,  
\* Belzona 1221 (Super E-Metal) ,

**Customer Location:** Arizona, USA  
**Application Date:** July 1992

## Problem

Oil leaks raised maintenance, EPA and safety concerns. Replacement of gaskets would require shut-down and dismantling of equipment.



## Photograph Descriptions

- \* 1. Oil leak area of transformer ,
- \* 2. Seal with Belzona 1221, then pour Belzona 2221 encapsulated the flange ,
- \* 3. Application completed ,

\* ,

## Application Situation

Flanged pipe connections on transformer flange at the major power company.

## Application Method

The application was carried out in accordance with a modified of Belzona Know-How System Leaflet VPF-11 and GSS-4. Leaks were firstly stopped by using Belzona 1221. Mould was constructed and a fluid grade of Belzona 2221 was poured in to encapsulate the flange.

## Belzona Facts

Repairs were carried out in-situ without the need to take the transformer off-line. Savings were estimated at \$150,000. The repaired

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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flange was in continuous operation for over 4 years.

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