

# First Stage Separator: Seven Years of Problem-free Service from Belzona® 1591

ID: 557

Industry: Oil & Gas  
Application: TCC-Tanks and Chemical Containment Areas  
Substrate: Carbon Steel  
Products: \* Belzona® 1591 (Ceramic XHT-Metal) ,

Customer Location: Oil Rig - North Sea  
Application Date: 1998

## Problem

Coating required to provide resistance to high temperature process fluids which would generate corrosion and erosion issues.  
Design temperature was 150° C.



## Photograph Descriptions

- \* 1. & 2. & 3. Vessel being coated in 1998. ,
- \* 4. Vessel opened in 2005. ,

## Application Situation

New process package for the Janice oil field comprising test and first stage separators.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet TCC-5.

## Belzona Facts

The use of a high temperature erosion-corrosion resistant coating allows separators and other vessels to be fabricated more cost effectively out of Carbon Steel rather than Stainless or Duplex Steel. After seven years of service, the Belzona® 1591 was found to be in excellent condition.

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  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA®**  
Repair • Protect • Improve