

Shell, Fenstanton, UK

Bespoke Fibrelite Tank Sump Bonding System Eliminates Need To Replace Tanks At Shell Fenstanton



Fibrelite chambers bonded directly to previously installed fuel tanks upstands

Project Overview

As part of the refurbishment of Shell Fenstanton, new tank sumps were required, however, the old steel fuel tanks did not have upstands for the chambers to bolt to.

Fibrelite's UK engineering team created a bespoke chemical bonding system to attach GRP Fibrelite tank sumps to the old steel tanks, eliminating the need to replace them.

Problem

Shell required a retrofit watertight solution to replace previously installed brick chambers without replacing the tanks.

The old tanks did not have an upstand, which made installation challenging as bolt down chambers could not be used.



Preparation of the steel tanks and collar was key



Previously installed brick chambers



An epoxy putty compound was used to bond the collar directly to the tank

Solution

Fibrelite used a multi-faceted GRP chamber system and an epoxy putty compound to bond the collar directly onto the steel tank.

After bonding the collar to the tank, Fibrelite laminated the chamber to the collar. Preparation of the steel tank and of the collar before bonding was key.



Fibrelite collars bonded ready for chamber installation

For more information on the OPW product range please contact us:

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Results

Bonding the chambers directly onto the existing tanks saved Shell time and money on installation while providing a fully watertight chamber system, which will endure year after year.

The site team conducted a vacuum test onsite after the install to ensure water tightness of the chambers.



Bonding of the collar to the tank



Fibrelite tank chambers were laminated to the collars