BELZONA KEEPS HISTORY MOVING

Industry:	*Transport*	**Customer Location:**	*Whitby, UK*
Application:	*GSS-Gaskets, Seals and Shims*	**Application Date:**	*2009*
Substrate:	*Cast Aluminium and Cast Iron.*		
Products:	** Belzona 1111 (Super Metal) ,*		

Problem

A carriage company operated the last steam driven bus in the world. "Elizabeth" is a 1931 Sentinel DG6P steam bus, which has been offering charabanc rides around the streets of Whitby since 2005. The steam engine generates a huge amount of vibration which accelerates the rate of wear on all engine parts. In this case, the aluminium face of cast mounting plates had been heavily damaged by the vibration of the cast iron sections of the engine.

Photograph Descriptions

* Sentinel Steam Bus “Elizabeth” recently refurbished ,

* "Elizabeth” taking tourists around Whitby ,

* Right hand side mounting plates refitted ,

Application Situation

Shimming of Mounting Plates

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet GSS-9.

Belzona Facts

The client has used Belzona repeatedly for repairs to various areas around the engine and undercarriage. In this application, Belzona 1111 had been used to create a shim between the engine mounting plates, which were cast iron and aluminium. By using Belzona as a shim, the client was able to avoid having to remake expensive specialised replacement parts. In addition, by recreating a secure mounting interface with 100% intermit contact, further wear is almost totally avoided. The client continues to use Belzona to keep this historic vehicle running.

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