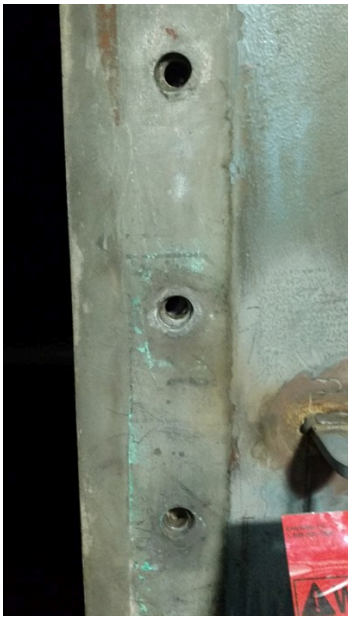
Belzona Rebuilds Stripped Threads at Power Generator

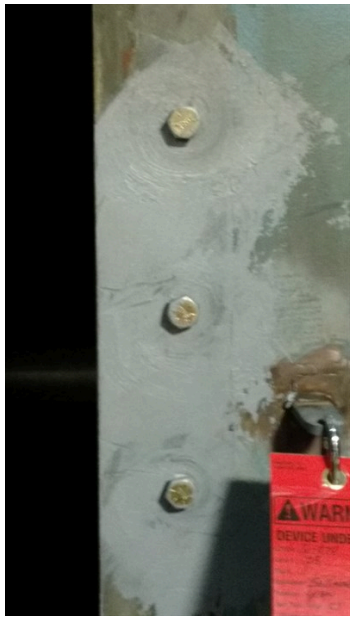
ID: 7674

Industry:	*Power*	Customer Location:	*Washington, USA*
Application:	*ENC-Engines and Casings*	Application Date:	*October 2016*
Substrate:	*Steel*		
Products:	** Belzona 1111 (Super Metal) ,* ** Belzona 9411 (Release Agent) ,*		

Problem

The door to an industrial blower had quite a few bolts intended to hold the door shut during operation. However over the years of operation and maintenance many of these bolt holes had became stripped and were not firmly holding the door shut.





Photograph Descriptions

* 1. Bolt holes to be repaired by building new threads. ,
* 2. Coating male bolts with Belzona 9411. ,
* 3. Coated bolts drying. ,
* 4. Completed applicaion. ,

Application Situation

Stripped threads on a door at a power plant.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet ENC-2. The new bolt was coated with 2 coats of Belzona 9411 and allowed to dry for 30 minutes. While the bolt was drying, the bolt cavity was cleaned using a round wire brush

and a Cleaner/Degreaser. A die grinder with a roughening bit was used to abraid the inner surface of the female bolt holes. Belzona 1111 was then applied to both the female bolt holes as well as to the new male threads that had been coated with Belzona 9411. The coated bolts were then turned into place to incorporate the materials in the female hole and on the male bolt. Once Belzona 1111 was fully cured the male bolts could be removed with a wrench or socket due to the presence of the Release agent and the threads were rebuilt.

Belzona Facts

The alternative would have been to cut out the existing damaged areas and weld in new threaded sleeves. This would have been very time consuming and labor intensive. Heat stresses and downtime would have been a major concern as well as the possibility of galvanic corrosion from dissimilar metals. The Belzona Technical Consultant was on site to train a painter that was on staff at the power plant on how to prepare the substrate, how to mix the product and how to apply the product to ensure a successful application.

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

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