

Repair of damaged flowing parts of the TG4 storage pump

ID: 9435

Industry: Power

Customer Location: Cierny Vah Slovakia

Application: TCC-Tanks and Chemical Containment Areas

Application Date: June 2015

Substrate: Carbon steel

Products: Belzona 1311 (Ceramic R-Metal), Belzona 1341 (Supermetalglide)

Problem

Damage to the pump surface by cavitation and the formation of a rough surface.



View from the outside



Belzona 1341 application



Belzona 1341 application



Belzona 1341 application

Application Situation

Both systems are primarily intended for the repair of metal parts in flow systems, ensuring the replacement of the loss of the base material due to erosion, corrosion and cavitation effects, and subsequently providing effective protection against the listed effects.

Application Method

Sealing of the working space under the impellers of the first stage. Drying of the repair area, degreasing of the surface with BELZONA 9121. Blasting of the repaired surfaces to the required standard Sa 2.5 with extraction cleaning of the space and dedusting of the area. Local repair of places and areas where the base material has been lost with BELZONA 1311 Ceramic R Metal. Application of BELZONA 1341 Supermetalglide to the surface to be repaired in two coats with a thickness of min. 500 µm.

Belzona Facts

Effective protection against the erosion and corrosion effects. At the same time, BELZONA 1341 improves the overall efficiency of the flow system

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

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