

FRANCIS TURBINE SHAFT PROTECTED WITH BELZONA

ID: 3431

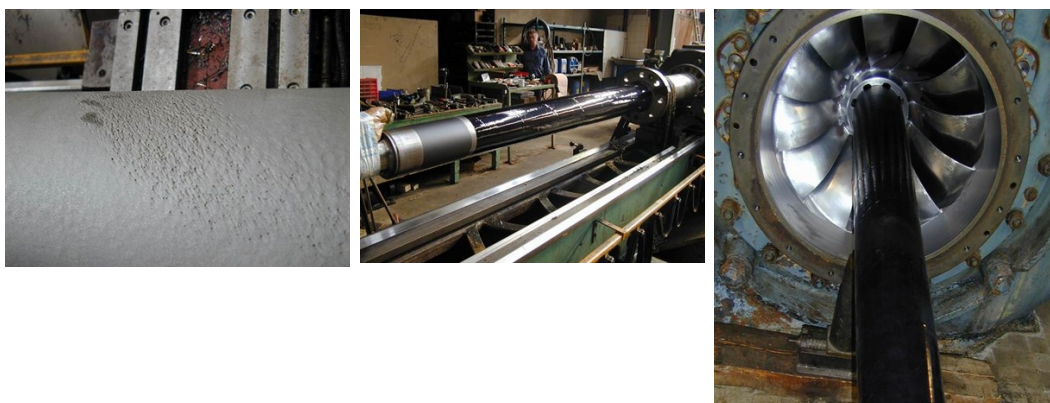
Industry: Power
Application: MPT-Mechanical Power Transmission

Customer Location: Hydroelectric Power Station, France
Application Date: November 2006

Substrate: Steel
Products: * Belzona® 1341 (Supermetaglide) ,
* Belzona® 2141 (ACR-Fluid Elastomer) ,
* Belzona® 2941 (Elastomer SP-Conditioner) ,

Problem

Shaft damaged by cavitation and erosion



Photograph Descriptions

- * Shaft damaged by cavitation/erosion ,
- * Belzona® 2141 after the application ,
- * Inspection of Belzona® 2141 protection of the turbine shaft after 9 months in service. ,

Application Situation

Main shaft, 160 mm diameter, 1000 rpm.

Application Method

After blasting the surface, Belzona® 1341 was applied in one coat. Belzona® 2941 conditioner was used to tie in the Belzona® 2141 system.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

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FS 695214
ISO 14001:2015
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Belzona products are
manufactured under an ISO
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Belzona Facts

The application was carried out on the shaft in a lathe and the finish was obtained by using a rubber squeegee. Inspection of the Belzona® 2141 in 2007 and 2010 showed the system still in perfect condition.

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