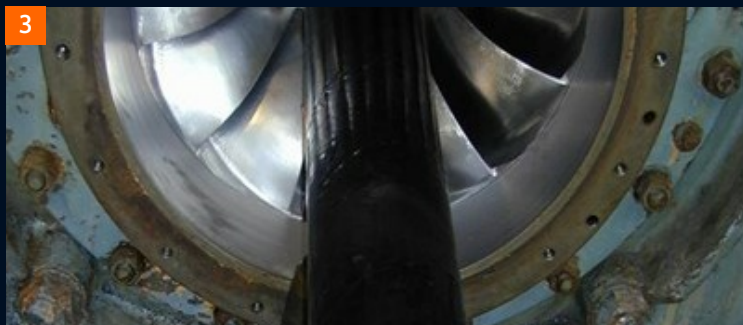


FRANCIS TURBINE SHAFT PROTECTED WITH BELZONA

ID: 3431



PROBLEM

Shaft damaged by cavitation and erosion

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.

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.

INDUSTRY

Power

LOCATION

Hydroelectric Power Station, France

APPLICATION DATE

November 2006

PRODUCTS

Belzona 1341 (Supermetaglide)
Belzona 2141 (ACR-Fluid Elastomer)
Belzona 2941 (Elastomer SP-Conditioner)

SUBSTRATE

Steel

PHOTOS

1. Shaft damaged by cavitation/erosion
2. Belzona 2141 after the application
3. Inspection of Belzona 2141 protection of the turbine shaft after 9 months in service.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured
under an ISO 9001 Registered
Quality Management System.

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