

BELZONA 1812 PROTECTS FAN FROM EROSION

ID: 5250

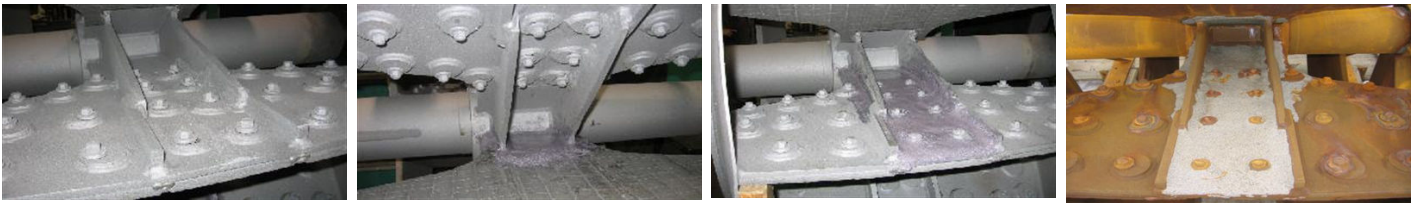
Industry: *General Industry*
Application: *FBC-Fans, Blowers and Compressors*

Customer Location: *BC, Canada*
Application Date: *July 2007*

Substrate: *Hardened Steel*
Products: ** Belzona 1812 (Ceramic Carbide FP) ,*

Problem

Hot, moist air (110C) carrying entrained dust was swirling behind and destroying the backs of the fan blades, eating away both the parent metal and the thick washers welded in place to help control the problem.



Photograph Descriptions

- * Fan assembly in lathe to allow easy application of product and to check on balance when complete ,
- * View of fan blade ,
- * Application of Belzona 1812 Ceramic Carbide FP to one side of the fan blade assembly ,
- * Application of Belzona 1812 Ceramic Carbide FP to the opposite side ,
- * Condition of the Belzona 1812 Ceramic Carbide FP application after approximately 15 months of service ,

Application Situation

Eroded fan blades

Application Method

Application carried out in accordance with Belzona Know-How System Leaflet FBC-1

Belzona Facts

Belzona 1812 was used to fill in eroded areas, fair in transitions to help prevent the swirl of entrained air from eroding away the parent metal of the fan.

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

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

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