

BELZONA 1812 PROTECTS FAN FROM EROSION

CUSTOMER

BC, Canada

APPLICATION DATE

July 2007

APPLICATION SITUATION

Eroded fan blades

PROBLEM

Hot, moist air (110°C) 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.

PRODUCTS

Belzona 1812 (Ceramic Carbide FP)

SUBSTRATE

Hardened Steel

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.

PICTURES

1. Fan assembly in lathe to allow easy application of product and to check on balance when complete
2. View of fan blade
3. Application of Belzona 1812 Ceramic Carbide FP to one side of the fan blade assembly
4. Application of Belzona 1812 Ceramic Carbide FP to the opposite side
5. Condition of the Belzona 1812 Ceramic Carbide FP application after approximately 15 months of service



1.



2.



3.



4.

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



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