

BELZONA'S SHAFT REPAIR RESTARTS PRODUCTION

CUSTOMER

Petrolia, ON, Canada

APPLICATION DATE

August 2012

APPLICATION SITUATION

Shingle manufacturing machine.

PROBLEM

Shaft was worn and damaged.

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 9411 (Release Agent)

SUBSTRATE

Steel

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-2 for rebuilding damaged shafts using forming techniques. The area was prepared using a disk grinder to roughen the surface and to make a cross-hatching pattern on the surface. A coat of Belzona 9411 was applied to the inside of the formers, and the edges where material will be pushed out. Belzona 1111 was applied to the shaft and covered the entire area using a brush and the mixing spatula to apply the product. Also, the inside of the formers were covered and evenly spread. The formers were clamped to the shaft. Once Belzona 1111 had cured the former was removed and the excess material was snapped off at the parting lines. Some of the material had flowed onto the shoulder of the shaft, but it was so thin that the area was sanded.

BELZONA FACTS

Belzona 1111 is a two-component repair composite based on a ceramic steel reinforced polymer system. This fully machinable Belzona product provides a cost effective solution to a wide range of general engineering repairs.

PICTURES

1. Damaged shaft
2. Completed preparation
3. Application in process
4. Completed application



1.



2.



3.



4.

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



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