

Belzona repair and coating internal surface of rotor can of preheat unit and repair shaft of cooker unit

ID: 7709

Industry: *Food & Drink*
Application: *MPT-Mechanical Power Transmission*

Customer Location: *Bangkok, Thailand*
Application Date: *27 February 2017*

Substrate: *Carbon Steel*
Products: ** Belzona 1391S ,*
** Belzona 1111 (Super Metal) ,*

Problem

The damage area cause by erosion and corrosion



Photograph Descriptions

- * 1. The rotor damage area cause by erosion and corrosion ,
- * 2. Damage shaft surface at cooker unit ,
- * 3. Application complete with Belzona 1391S for rotor ,
- * 4. Application complete with Belzona 1111 for shaft ,

Application Situation

Repair and coating internal surface of rotor can of preheat unit and repair shaft of cooker unit.

Application Method

Working details for rotor can:

1. Carbon steel surface will be prepare by copper slug to give a minimum depth at 75 microns and surface cleanliness by Sa 2.5
2. Clean and brush away any loose contaminate, cleaning with vacuum cleaner machine then cleaning the surface with MEK.
3. Apply two coats system of Belzona 1391S Ceramic HT at dry film thickness 500 microns.

Working details for shaft:

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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Repair • Protect • Improve

1. Surface preparation with hand grinding machine.
2. Repair corrode area with Belzona 1111 Supermetal.

Belzona Facts

Belzona 1391S can operate at high temperature under immersed conditions , rapid spray application results in reduced downtime , excellent chemical resistance against a wide range of chemicals , excellent corrosion protection

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