NEW TRANE CHILLER PROTECTED WITH BELZONA

ID: 7644

Industry: *Heating, Ventilation & Air Conditioning*
Application: *HEX-Heat Exchangers*
Substrate: *Carbon steel*
Products: ** Belzona 1121 ,*
** Belzona 1321 ,*

Customer Location: *Manufacturing Plant, Alabama, USA*
Application Date: *December 2017*

Problem

Customer had 3 large Trane chillers, about 30 years of age. Due to inefficiency of older models, the Customer is gradually replacing them with new models.

Photograph Descriptions

* 1. Corks were added before blasting. Then the unit was blasted. ,
* 2. More corks were added then ground down flush since the copper tubes were flush with the sheet. All seams were sealed with 1121. ,
* 3. Care was taken to seal the ends of the inserts so no water could enter during operation and cause rusting from the inside out. ,
* 4. Both ends of the chiller and the water boxes were coated and the corks were blown out and the tubes cleaned out to turn over to the owner. ,

Application Situation

New chillers required protection before being put into service.

Application Method

The application was carried out in accrodance with Belzona Know-How System Leaflets HEX-1, HEX-2, and HEX-3. Belzona 1121 was use to seal all the seams before coating, Belzona 1321 was applied in two coats after Belzona 1121 was cured. The product was applied by hand. Corks were inserted before blasting then again before coating to protect the copper tubes. The water boxes were also coated.

Belzona Facts

The customer had a satisfactory history with Belzona on other chillers and requested Belzona be used. It was applied before the chiller was placed into service.

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

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