

Pump Bowls Coated with Belzona 1391T

ID: 9751

Industry: Oil & Gas
Application: CEP-Centrifugal Pumps
Substrate: NAB Nickel Aluminum Bronze
Products: Belzona 1391T

Customer Location: Eastern Province Saudi Arabia
Application Date: January 2025

Problem

The customer was looking for a protective system against the effect of corrosion and erosion at high temperatures for the pump bowls.



Pump bowl after blasting



First coat of Belzona 1391T



Second coat of Belzona 1391T
on the pump discharge head



Complete application on the
pump bowl

Application Situation

The customer required solution that can protect the equipment for years to come against the corrosion and erosion effects over high temperatures up to 100 °C.

Application Method

1. Grit Blasting was done to achieve a near-white metal surface and a minimum 75 µm profile.
2. As per Belzona IFU, we applied a 2-coat system of Belzona 1391T, each of 450 µm thickness to reach a total DFT of 800-900 µm.

Belzona Facts

Belzona has proven records in Aramco and approved in one of the standards; it was chosen to protect the pump due to its long history and proven durability, ease of application and long term protections.

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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manufactured under an ISO
9000 Registered Quality
Management System.

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