

Submersible Multi Stage Pump Repairs and Coatings

ID: 9361

Industry: Oil & Gas

Customer Location: Ontario

Application: CEP-Centrifugal Pumps

Application Date: January 2024

Substrate: Carbon steel

Products: Belzona 1121 (Super XL-Metal), Belzona 1321 (Ceramic S-Metal), Belzona 4311 (Magma CR1), Belzona 9111 (Cleaner Degreaser)

Problem

The customer had three submersible multi stage pumps that required rebuilding and recoating to both the inside and outside of the equipment.



Preparation in progress for rebuilding of pumps bowls and suction bell as per the IFU

Repaired areas of pump bowls using Belzona 1121

First coat of Belzona 1321

Second coat of Belzona 1321

Application Situation

The deep well submersible pumps are used for storm water and also see's hydrocarbons from ground water run off's, the pumps have experienced erosion and corrosion issues.

Application Method

pumps were dismantled by the site's maintenance team and all parts of the equipment received grit blasting and than cleaned using Belzona 9111. All areas requiring rebuilding was completed using Belzona 1121 due to the extended working life and the overcoat window time. Belzona 1321 was used for the internal coating and Belzona 4311 was used on the externals of the equipment.

Belzona Facts

The customer is pleased with the Belzona technical support and products used on this equipment and know the pumps will perform well and provide a timely service.

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ISO 9001:2015

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