# BELZONA REBUILD OF PUMP SPIDER BEARING

ID: 88

Industry: Oil & Gas

Application: **CEP-Centrifugal Pumps** Substrate: Ni Resist Cast Steel

**Products:** \* Belzona® 1111 (Super Metal),

### Problem

Corrosion and distortion was preventing correct sealing.







Application Date: July 1997

Customer Location: Offshore Oil exploration company

# **Photograph Descriptions**

- \* One of the spider bearings ready to be worked on ,
- \* A bearing being machined ,
- \* The completed bearings ,

## **Application Situation**

15 Spider bearings from a fire pump

### **Application Method**

The application was carried out using a modified version of Belzona Know-How leaflet CEP-2. The damaged areas were cut back, rebuilt with Belzona® 1111 and machined back to tolerance.

# **Belzona Facts**

Attempted weld repairs had only caused further damage and replacements would take 6 months to deliver at a cost of £40,000. More importantly if another fire pump became inoperative the rig would be shut down at £100,000 per day losses. The Belzona application cost £1,400 and all the spiders were available for re-assembly in less than 1 week.

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015 Belzona products are FS 695214 manufactured under an ISO ISO 14001:2015 9000 Registered Quality EMS 695213 Management System.