

Job Report

BOS 80/2500 D EX



LIEBHERR

Slewing Bearing Exchange Project



Situation

The BOS 80/2500 D EX crane has been operating off the coast of New Zealand in the Tasman Sea for nearly 25 years. Due to extensive use the crane showed abrasion during slewing operation and in the actual slew bearing itself. This caused extra maintenance work for the owner and also required improved work planning. The main challenges for the Liebherr service engineer were the platform's gas environment, which calls for special safety requirements in respect of welding work, as well as the continuously changing weather conditions.

Task

The customer decided to exchange the existing slew bearing including studs and nuts with brand new original spare parts. Thanks to many years of experience and vast know-how the Liebherr service department was requested to supply and replace this main component.

Solution

The Liebherr crane was pre-fitted with a specially designed exchange table which was installed on the platform and the crane pedestal. Before the parts were replaced a considerable amount of welding work had to be carried out. The crane was then safely jacked up with hydraulic cylinders so the old slew bearing could be removed and the new one mounted. All project goals were safely achieved with focus on highest quality standards.

Crane Specification

Year of construction	1991
Platform location	Tasman Sea, off the coast of New Zealand
Type	BOS 80/2500 D EX
Max. SWL	80 t
Boom length	51.8 m

Project

Project duration	8 months
Team on site	6 persons
Installation time	21 days
Weight of delivered material	12.6 t

Liebherr-MCCtec Rostock GmbH

Liebherrstraße 1, 18147 Rostock/GERMANY

Tel.: +49 381 6006 5020

offshore.crane@liebherr.com

www.liebherr.com