

NMR-Aluminium anode for ship propeller (NMR-AASP)

Introduction

The present invention is on the development of sacrificial anodes with low driving potential and is particularly useful for fitment to the propeller in manner such that the potential drop between propeller and cathodically protected ship hull is close to zero thereby reducing potential difference between the anode / hull and the propeller and hence the UEP/ SR signatures and also the ELFE signatures.

Salient Features

Aluminium alloy anode

The Indium free aluminium alloy anode has the following features:

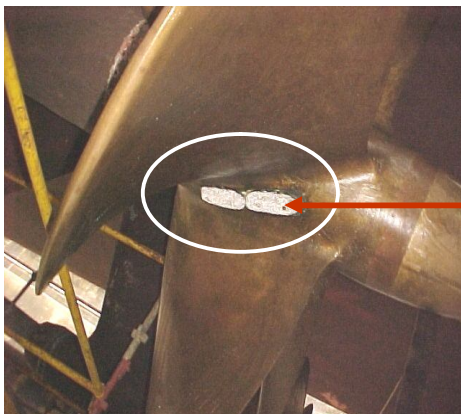
- i. Open circuit potential : -820 to -840 m V vs SCE
- ii. Closed circuit potential : -800 to -820 m V vs SCE
- iii. Current capacity : min 2400 Ahr/Kg

The anodes are available in different shape and size, so that anodes can be selected as per requirement of the user. Also the anodes are designed to give maximum current output.

Application Areas

Corrosion protection of ship Propellers and reduction of ELFE signatures

Present Status: Technology available for ToT.



Propeller anode