



CERTIFICATE NUMBER

10-HG582778-PDA

DATE

30 April 2010

ABS TECHNICAL OFFICE

Hamburg Engineering Services

# CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**BOENING AUTOMATIONSTECHNOLOGIE GMBH & CO. KG -  
GANDERKESEE**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).


PRODUCT: Diesel Engine, Control, Monitoring and Safety System

MODEL: AHD 514 / MEC 24

ABS RULE: 2010 Steel Vessel Rules 1-1-4/7.7, 4-9-2/5.13, 4-9-7/3, 4-9-7/7, 4-9-7/13

OTHER STANDARD NA;

AMERICAN BUREAU OF SHIPPING

  
Hartmut Grommel  
Engineering Type Approval Co-ordinator

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).