

Date Issued: 1997-06-02 00:00:00
Certificate Number: 97-HG44820-X-A-E



Certificate of Type Approval

This is to certify that Boening GmbH
has met the requirements of ABS Product Type Approval for
Diesel Engine Alarm or Safety System
Model Name(s): AHD 414 A

Presented to:

Boening GmbH
Am Steenoever 4
Ganderkesee
D-27777

Intended Service:

Alarm and safety system for diesel engines on ACC, ACCU and ABCU Classed Vessels

Description:

Not Applicable; (25210)

Ratings:

Power Supply: 24 V or 12V DC 0.15A; Inputs: 10 binary n/o- or n/c-contacts with wire monitoring; 1 alarm suppression, 1 serial interface (TTY); Outputs: 1 serial interface (TTY), 3 relay-outputs programmable, 5A, 50 V DC , 1 relay-output for common alarm, 5A, 50 V DC; Degree of Protection: IP 44 (front)

Service Restrictions:

Not Applicable

Comments:

Tests and approval are for hardware only. Each particular application/configuration is to be specifically approved.

ABS Rules:

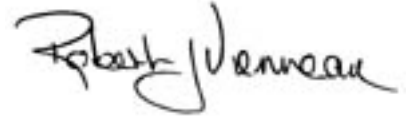
4/11.3.3, 4/11.3.5, 4/11.3.10 (a, b, e), 4/11.3.11, 4/11.7.2, Tables 4/11.1 and 4/11.2

National Standards:

International Standards:

Government Authority:

Others:



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.

Printed on : 2002-07-17 03:31:45.887