

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.

This certificate is issued to:

PRODUCER	Böning Automationstechnologie GmbH & Co. KG
PLACE OF PRODUCTION	Am Steenöver 4 27777 Ganderkesee Germany
DESCRIPTION	Alarm-, start-/stop- and safety system for diesel engines
TYPE	AHD 514-A, AHD 514-S, AHD 514-OP
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2002.
ADDITIONAL TEST	Low temperature test (-25°C/16hrs)
DESIGN CODE	Manufacturer's specification.
Certificate No.	10/20016
Issue Date	19 May 2010
Expiry Date	18 May 2015
Sheet	1 of 2



Thorsten Wolff
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Lloyd's Register EMEA

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OTHER CONDITIONS

The complete installation is subject to a separate plan appraisal according to applicable Rules and Regulations when installed on LR classed vessels.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. ETS 23120-10 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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