



CERTIFICATE NUMBER

05-HG478019-PDA

DATE

25 April 2005

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
HUEGLI TECH AG (LTD.)

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 for five years from the date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Diesel Engine Control System

MODEL: IntelliDrive Marine Controller

ABS RULE: 2005 Steel Vessel Rules 1-1-4/7.7, 4-9-6/3/7.1/7.3, 4-9-7/7/13

OTHER STANDARD: N.A.;

AMERICAN BUREAU OF SHIPPING

Hartmut Grommel

Engineering Type Approval Co-ordinator

HUEGLI TECH AG (LTD.)

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Langenthal
CH-4900
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ComAp spol. s.r.o., Svetova 7, CZ-180 00 Praha 8,
Czech Republic

Product: Diesel Engine Control System

Model: IntelliDrive Marine Controller

Intended Service:

Control, monitoring and safety functions for auxiliary and multiple propulsion Diesel engine installations.

Description:

Modular engine control system consisting of the following components: IntelliDrive Central Unit ID-DCU-Marine (ID-MCU-3818237); IntelliDrive Redundancy Protection Unit ID-RPU; IntelliDrive Communication Interface ID-COM (ID-COM-3818364); Relay Board I-RB (I-RB-3818362); IntelliDrive Remote Display (Slave Panel) I-RD-CAN (I-RP-3818358); Extension Module-8 Analog Inputs IS-AIN8; Extension Module-16 Binary Inputs, 8 Binary Outputs IS-BIN16/8; Extension Module-8 Binary In- and Outputs, 4 Analog Inputs, 1 Analog Output IGS-PTM; External LED Indication Panel IGL-RA15; Multiple Engines Modem Interface IG-MU; Internet Interface (Internet Bridge) IG-IB. Software: DriveConfig, DriveMonitor, WinScopeQ.

Ratings:

Nominal Power Supply: 24V DC

Service Restrictions:

Unit Certification is required for this product.

Comments:

The functional and operational arrangements are to be specifically approved for each particular application.

Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate # 05-HG478019-PDA, dated 25/Apr/2005. This PDA Certificate expires Apr of 2010. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

STANDARDS**ABS Rules:**

2005 Steel Vessel Rules 1-1-4/7.7, 4-9-6/3/7.1/7.3, 4-9-7/7/13

National:

N.A.