



**POTVRDA O TIPNOM ODOBRENJU**  
*TYPE APPROVAL CERTIFICATE*

Br/No **03-001165/030813**

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju pomorskih brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.

*This is to certify that this product on the basis of the Rules for the classification of Sea-Going Ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.*

**TIP I OPIS PROIZVODA:**

*TYPE AND DESCRIPTION OF PRODUCT:*

**Engine Control and Monitoring System**  
**ADEM III**

**PROIZVOĐAČ:**  
*MANUFACTURER:*

**CATERPILLAR Inc.**  
 3701 State Road 26 East  
 LAFAYETTE, Indiana 47905-4856

*UNITED STATES OF AMERICA*

**PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:**  
*THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:*

**Hrvatski registar brodova :** **Pravila za klasifikaciju pomorskih brodova, Dio 13 i Dio 9**  
*Croatian Register of Shipping: Rules for the classification of Sea-Going Ships, Part 13 and Part 9*

**PODRUČJE PRIMJENE/POSEBNI GRANIČNI UVJETI:**  
*FIELD OF APPLICATION/SPECIAL OPERATIONAL LIMITS:*

*Correct configuration and set up for each delivery to be tested during commissioning, after installation, under the supervision of a Society Surveyor.*

*Approval of sensors are valid only in connection with this application.*

*Approval also valid for ships to be granted with class notations: AUT 1, AUT 2 and AUT 3.*

**ODOBRENJE VRIJEDI DO:** **2013-06-19**  
*APPROVAL IS VALID UNTIL:*

**UZ UVJETE NAVEDENE NA POLEĐINI**  
*SUBJECT TO CONDITION OVERLEAF*

**Mjesto i datum** **Split, 2009-06-19**  
*Place and date*

**M.P.**  
*(Seal)*

Goran Begović, dipl.ing.

Odobrenje je valjano ako je ovaj proizvod izveden prema slijedećoj dokumentaciji:  
 The approval is valid if this product is manufactured in accordance with the following documentation:

**PRODUCT DESCRIPTION:**

<b>ADEM-III Control and Monitoring System</b>	<b>C9</b>	<b>C12</b>	<b>C18</b>	<b>3500B</b>
<b>A3-6/16 Modules</b>	Heui-B_C9	Hi-Vol_C12&C18		v5_3500B
<b>Electronic Control Module (ECM)</b>	322-3601	322-3602		322-3612
<b>Associated Sensors</b>				
<b>Throttle Sensor</b>	121-7029			9X-9647
<b>Temperature Sensor</b> (Intake Air, Exhaust, Aftercooler, Coolant, Fuel, Oil)	264-4297			212-3423
	191-6587			212-3424
				212-3425
<b>Pressure Sensor</b> (Atmospheric, Turbo Outlet, Crankcase, Oil, Turbo Inlet)	304-5668			304-5666
	304-5667	218-3840		304-5667
				304-5668
<b>Speed/Timing Sensors</b>	109-7194	189-9268		212-0848
	109-7195	189-9269		212-3426
				237-5337

**TYPE APPROVAL DOCUMENTATION:**

- ADEM III – 6/16 Product Information Sheet (Heui-B\_C9; Hi-Vol\_C12&C18; v5\_3500B).
- EC-29 Marine Society Testing Procedure and Final Witness Test Report for ADEM III-16V5 Diesel, Ver. 1.1- June 12, 2003.
- A3-16\_EC-1 Testing Environmental, dated November 08,2008.
- A3v9\_HEUI-B EC-1 Testing Environmental, dated July 1, 2008.
- A3V10\_EC-1 Testing Environmental, dated July 1, 2008.

**CLAUSE FOR APPLICATION SOFTWARE CONTROL:**

All changes in software are to be recorded as long as the system is in use on board. The records of all changes are to be forwarded to CRS for evaluation and approval. Major changes in the software are to be approved before being installed in the computer.

Ovo odobrenje ne isključuje zahtjev za nadzorom tijekom izradbe proizvoda kod proizvođača, u skladu s gore navedenim Pravilima.  
 This approval does not eliminate the need for inspection during manufacturing of the product into manufacturers shop in compliance with a.m. Rules.

Raččlana  
 13.01.00

Zamjenjuje potvrdu  
 03-001098/030734