

TYPE APPROVAL PROGRAM

A voluntary and efficient product approval solution suitable for qualified manufacturers who are targeting promotion of their products to the marine and offshore market sectors

TYPE APPROVAL PROCESS

Product Design Assessment (PDA)

ABS Engineers verify product compliance with manufacturers' specifications, applicable ABS Rules and national or international standards.

Initial Application

 Complete and submit the required Type Approval on-line form, available at www.typeapproval.org

Engineering Evaluation

- · ABS reviews drawing designs and technical documents
- Prototype testing, or type testing, occurs as necessary

Issuance of a PDA Certificate

- ABS issues a PDA Certificate valid for five years, subject to rules, standards, and or product design changes
- Product status changes to: Design Assessed

Manufacturer Assessment (MA)

ABS Surveyors confirm that the fabrication facility follows a quality process capable of continuous and consistent product manufacturing in accordance with the most current PDA issued.

Initial Audit

- Valid PDA Certificates, as well as ISO 9001 Certification, or equivalent, are required
- Submit a MA request to the nearest port office
- ABS audits the quality control system and the manufacturing process

Issuance of a MA Certificate

- ABS issues a MA Certificate valid for five years, subject to annual or semi-annual plant audits
- · Product status changes to: Type Approved



- BENEFITS OF ABS TYPE APPROVAL RECOGNITION
- Faster approval for equipment acceptance on ABS-classed units
- Reduced repetitive engineering review and survey attendance for eligible products
- Flexible approach to suit your business needs
- Demonstration of conformity to recognized industry quality standards and applicable ABS Rules

ABS TYPE APPROVAL PROGRAM OPTIONS

Review on Behalf of the U.S. Coast Guard (USCG)

ABS is approved to carry out reviews on behalf of the USCG for launching appliances.

Upon successful review, clients can submit the review package to the USCG for overview and receive a USCG Type Approval Certificate.

As a USCG Accepted Independent Laboratory, ABS can witness production testing on behalf of the USCG where designated to do so.

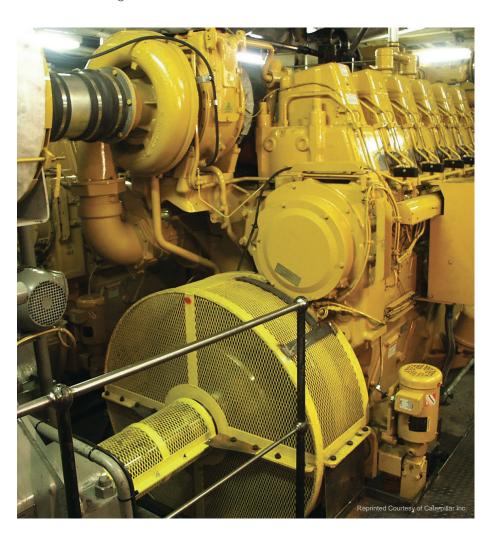
European Union Marine Equipment Directive (EU MED)

ABS Europe Ltd. is a Notified Body under the authorization of the UK MCA and can perform conformity assessment for equipment listed in the marine equipment directive. Upon satisfactory completion of both the design assessment and the manufacturing assessment, certificates will be issued for the applicable MED module(s); equipment with appropriate modules may be marked with the "wheel mark".

European Union Mutual Recognition (EU MR)

ABS is an EU Recognized Organization (RO) authorized to provide type approval certification for equipment covered under Article 10.1 of Regulation (EC) No.391/2009.

Equipment with ABS issued EU MR Type Approval Certification is acceptable by all Class Societies for installation on vessels of European Union flags signatory to Article 10.1. This eliminates the need for a manufacturer to obtain multiple certifications from varied EU ROs.







WORLD HEADQUARTERS

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