

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flexible Mounts for Propulsion or Auxiliary Machinery

with type designation(s)

BSB/BRB 50, 60, 65, 70, 80, 95, 110, 125, 150, 180, 220

Issued to

APLICACIONES MECANICAS DEL CAUCHO, S.A. AMCSA
Asteasu Guipuzkoa, Spain

is found to comply with

Det Norske Veritas' Rules for Classification of Ships/High Speed and Light Craft

Application :

Flexible mounts for machinery, including diesel engines.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2019-08-04**.

Issued at **Høvik** on **2015-08-05**

DNV GL local station: **Bilbao**

for **DNV GL**

Approval Engineer: **Øyvind Stokkebekk Eriksen**

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Oddvar Deinboll
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id: **262.1-019237-2**
Certificate No: **TAM000001H**
Revision No: **1**

Product description

Rubber antivibration mounts

Size : BRB/BSB 50, 60, 65, 70, 80, 95, 110, 125, 150, 180, 220

Rubber hardness (Shore A): 40, 50, 60, 70

Application/Limitation

The flexible mounts are approved for flexible mounting of machinery including diesel engines according to data given in maker's catalogue/technical information.

Type Approval documentation

BRB/BSB dynamic stiffness data received with email from AMCSA 2015-07-22. DNVGL ref.: J-21
BRB/BSB technical data received with e-mail from DNV Bilbao dated 2015-03-12. DNVGL ref.: J-2

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification

Periodical assessment

For retention of the Type Approval, a DNV surveyor shall perform a survey every second year and before the expiry date of this certificate to verify that the conditions of the type approval are complied with.

The objective of the Periodical Assessment is to verify that the conditions for the Type Approval are not altered since the

Type Approval Certificate was issued. The main scope of the Periodical Assessment will normally include:

- Verification of the Type Approval applicant's production and quality system w.r.t. ensuring continued consistent production of the Type Approved products at the Type Approval applicant's own premises and at other companies that are given the responsibility for manufacturing of the products.
- Review of the Type Approval documentation and that this is still used as basis for the production
- Review of possible changes to the design, the material and the performance of the product
- Verification of the product marking.

END OF CERTIFICATE