

TYPE APPROVAL CERTIFICATE

Certificate No:

TA-M0000016
DNV GL

This is to certify:

That the Flexible Mounts for Propulsion or Auxiliary Machinery

with type designation(s)

IsoFlex Engine Mounts - B and S type, size M30, MY30, M50, M55, M75, M85, M90, M100, M110, M125, M127, M130, M130 SS, M135, M136, M138, M140, M150, MD90, MD100, MD125, MD125-SS, MD128, MD128-SS, MD130, MD140, MD150, MDC30, MQ130, MSS-10, MSS-12

Issued to

ISOFLEX TECHNOLOGIES PTY LTD
COOMERA QLD, Australia

is found to comply with

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

Application :

The flexible mounts are approved for mounting of propulsion engines, auxiliary engines and reduction gear.

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2018-06-30**.

Issued at **Høvik** on **2015-07-15**

DNV GL local station: **Sydney**

for **DNV GL**

Approval Engineer: **Nadine Grace Mosteiro**
Halvorsen

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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.

Product description

Polymer flexible engine mounts

Application/Limitation

The mounts are approved for use for mounting of propulsion, auxiliary engines and reduction gear

Size of mounts to be chosen according to the maker's data sheets for the approved series of mounts.

Type Approval documentation

Tests carried out

Tests carried out in January 2007, reported in IsoFlex Booklet received with letter from DNV Brisbane dated 2010-03-19.

Marking of product

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

Other conditions

No product certificate required

Installation, maintenance and inspection of the mounts to be done according to the makers instructions.

Engine vibration calculations to be submitted for approval according to DNV Rules Pt.4, Ch.3. Sec.1 A 600.

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 -