DET NORSKE VERITAS

EC TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NO. RCD-B-268

This Certificate consists of 3 pages

This is to certify that the product

Hydraulic Steering Systems
274.14

with type designation(s)

"Bosvik" Hydraulic Steering

Manufactured by

BOSVIK A/S
RISØR, Norway

has been assessed with respect to
the conformity assessment procedure described in Annex VII (Module B) of
Council Directive 94/25/EC on Recreational Craft as amended by Directive 2003/44/EC,
and found to comply with the applicable requirements
EN 30592 Small craft - Hydraulic steering systems

Further details are given overleaf.

Place and date
Høvik, 2007-04-11
for DET NORSKE VERITAS

CE

Notified Body No.: 0575

Magnar Eide
Head of Section
Naval Ships, HSLC & Yachts

Hallgeir B. Eilertsen
Surveyor

Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction may render this certificate invalid.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

Jurisdiction

DNV is appointed by the Norwegian Ministry of Trade and Industry as a "Notified Body" under the terms of the Norwegian regulation - FOR 2004-12-20 nr. 1820 "Forskrift om produksjon og omsetning av fritidsfartøy m.v.", and - Article 9 of Council Directive 94/25/EC as amended.

Certificate history

This is the original Certificate.

Product description

Helm pumps and cylinders are made of SS 165 M and Brass CuZn39Pb3.
Seals are made of MBR rubber.

- Helm pump types: - EB 550 with Non-return valve
  - EB 560 without Non-return valve.

- Cylinder types:
  - EB 30
  - EB 30 Servo
  - EB 35
  - EB 40
  - EB 55
  - EB 55 Drev

- Flexible hose: CONTI SAE 100 R1AT, 3/8" with permanently mounted end-fittings

Applications/Limitations

- May be used on Recreational Crafts subject to CE-marking according to Directive 94/25/EC as amended
- Max working pressure: - helm pumps: 10,2 MPa,
  - cylinders: 14,0 MPa.

Technical documentation/Tests carried out

- Technical documentation with drawings of helm pump and cylinders
- DNV Technical Report No.: 96-1200 – Testing of "Bosvik" hydraulic steering system - dated 96-11-28

Applied Standards

- EN ISO 10592 Small craft - Hydraulic steering systems

Terms and conditions

The product liability rests with the manufacturer, his representative or, in the absence of a representative, the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- Changes in the design or construction of the product
- Changes or amendments to the Directive
- Changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the Directive

Marking of product

This Certificate is concerned with the design of the product, only. In order to fully meet with the requirements of the Directive and legally affix the CE mark, the manufacturer must also have the final product and/or production assessed according to one of the procedures listed below and finally draw up an EC declaration of conformity.

- Conformity assessment procedures for production:
- Conformity to type (Annex VIII/Module C)
- Production quality assurance (Annex IX/Module D)
- Product quality assurance (Annex XVI/Module E)
- Product verification (Annex X/Module F)

Other directives, covering other phenomena, and also having requirements related to CE marking, might also apply.

END OF CERTIFICATE