



DET NORSKE VERITAS

EC TYPE-EXAMINATION CERTIFICATE

CERTIFICATE NO. RCD-B-234

This Certificate consists of 3 pages

This is to certify that the product
Recreational Craft

with type designation(s)
M 46

Manufactured by
Mabi Yachts AB
SUNDBYBERG, Sweden

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

Further details are given overleaf.

Place and date
Høvik, 2007-01-19
for DET NORSKE VERITAS



Notified Body No.: 0575

Magnar Eide
Head of Section
Naval Ships, HSLC & Yachts

Håkan Lindqvist

Notice: The certificate is subject to terms and conditions overleaf.

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 "Forskrift om produksjon og omsetning av fritidsfartøy m.v.", dated 2004-12-20 and Article 9 of Council Directive 94/25/EC as amended.

Certificate history

This is the second/ issue of the original Certificate (RCD-B-90), issued 2003-03-17 under the name OMEGA 46, manufactured by Techno Yachts AB, Lysekil, Sweden.

The production rights have since been acquired by Mabi Yachts AB, and the boat has now produced under the name M 46. Some changes to the design have been made. These changes have been assessed and a new certificate according to the amended Directive is issued.

All Supplements issued after the issue of the previous Certificate have been incorporated.

Product description

Type designation:	M 46		
CIN kode:	SE-MAB46*****		
Type of craft:	Sailing Yacht	Construction material:	FRP
Type of hull:	Monohull	Deck:	Fully decked
Length of hull, Lh:	14.20 m	Beam of hull, Bh:	3.60 m
Draught, Tmax:	2.12 m	Light craft cond. mass, m_{LCC}:	10 600 kg
Propulsion:	Sails	Type of engine(s):	Inboard Diesel

Applications/Limitations

Design category:	A Ocean
Maximum number of persons, CL:	8
Maximum engine power:	55 kW
Maximum load, mMTL:	2680 kg
Maximum load as stated on Builder's Plate : (EN ISO 14945:2004)	1800 kg

Technical documentation

Technical File M 46. Approved 2007-01-12

Applied Standards

RCD	Standard/Rules	RCD	Standard/Rules	RCD	Standard/Rules
1A-2	EN ISO 8666:2002	1A-3.4	EN ISO 12216:2002 EN ISO 9093-1:1997	1A-5.2	EN ISO 10088:2001
1A-2.1	EN ISO 10087:1996 /A1:2000	1A-3.5	EN ISO 11812:2001 EN ISO 15083:2003	1A-5.3	EN ISO 10133:2001 EN ISO 13297:2000
1A-2.2	EN ISO 14945:2004	1A-3.6	EN ISO 14946:2001	1A-5.4	EN ISO 13929:2001
1A-2.3	EN ISO 15085:2003	1A-3.7		1A-5.5	EN ISO 10239:2000
1A-2.4		1A-3.8	EN ISO 9094-1:2003	1A-5.6	EN ISO 9094-1:2003
1A-2.5	EN ISO 10240:2004	1A-3.9	EN ISO 15084:2003	1A-5.7	1972 Colregs
1A-3.1	EN ISO 12215-1:2000 EN ISO 12215-2:2002 EN ISO 12215-4:2002	1A-4		1A-5.8	EN ISO 8099:2000
1A-3.2	EN ISO 12217-2:2002	1A-5.1	EN ISO 16147: 2002	1C	
1A-3.3	EN ISO 12217-2:2002				

DNV = DNV Tentative Rules for Certification and Classification of Boats 1997

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