



MARINE DIVISION

Certificate number: 26921/A0 EC

File number: LSA 87048/02

Annex A1 Item number: A.1/1.43

This certificate is not valid when presented without the full attached schedule composed of 7 sections

www.veristar.com

Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment
as amended by Commission Directive 2010/68/EU*

This certificate is issued to

SURVITEC SAS
CHEVANCEAUX - FRANCE

for the type of product

RIGID/INFLATED RESCUE BOATS
Rigid / Inflated Rescue Boat, Type RIBO 600

Requirements:

SOLAS 74 Convention as amended, Regulations III/4, X/3, III/21, III/31 and III/34
IMO Res. MSC.48(66) amended by MSC.207(81), MSC.218(82) and MSC.272(85)
IMO Res. MSC.36(63)-(1994 HSC Code) 8
IMO Res. MSC.97(73)-(2000 HSC Code) 8
IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82) and MSC.274(85)
ISO 15372 (2000)
IMO MSC/Circ.1006 and IMO MSC/Circ.980

This certificate is issued under the French Maritime Authority to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended.


This certificate will expire on: 19 Jul 2017

For BUREAU VERITAS Notified Body 0062,

At BV BORDEAUX, on 19 Jul 2012,

Raphael Garnier



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. BUREAU VERITAS is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Rigid/Inflated Rescue Boat of GRP Construction, launched by 4 lifting slings.
Type: RIBO 600 E Sling

Main Particulars	RIBO 600 E Sling
Length Over All:	6041 mm
Breadth:	2450 mm
Depth to gunwale:	585 mm

Weight of boat :	RIBO 600 E Sling (Yamaha Engine)	RIBO 600 E Sling (Evinrude Engine)
Light weight (fully equipped):	785 kg	760.5 kg
Full load (with 6 persons):	1280 kg	1255.5 kg

Maximum Capacity: 6 persons including one person lying down on a stretcher.

2. DOCUMENTS AND DRAWINGS :

Design appraisal documents:

Reference Number	Date	Revision	Title	Pages
- 300083	26.09.2007	E	Armement bag	1
- 600998	04.07.2003	E	Coupe de principe	1
- 601149	24.07.2007	E	Cotes de détournage	1
- 601915	07.10.2003	B	Laison pont/carène	2
- 601918	23.07.1998	-	FRB 600	3
- 800004	28.11.1996	A	Siège 2 places	1
- 800321	17.04.2011	D	Cadre de retournement	1
- 800335	02.12.2011	E	Flotador de Adrizado	1
- 800354	15.09.2000	A	Montage vide vite	1
- 800356	24.01.2001	B	Montage coque	1
- 800462	18.09.2000	A	Retro-reflechissant/coque	1
- 800481	28.03.2012	D	Posicion accesorios tabla popa	1
- 800489	04.07.2012	C	Position point de levage	1
- 800540	18.01.2000	-	Vis a oeil	1
- 800522	27.10.2005	B	Pupitre de pilotage	1
- 800671	23.01.2001	-	Acastillage	1
- 800673	13.10.2011	H	Asiento piloto para baterias	1
- 800690	26.02.2001	-	UVE de remorque	1
- 800773	24.04.2008	C	Desagüe G.D. D80 bi-motor	1
- 802536	08.04.2010	-	Sangla Saisine inférieure	1
- 802560	10.04.2012	A	Esquema Cargador	1
- 802657	10.12.2010	-	Eslingua	1
- 802677	14.01.2011	-	General Flotador	1
- 802679	14.01.2011	-	Volumen flotabilidad	1
- 802776	28.03.2012	A	Plan d'ensemble	1
- 802777	15.04.2011	-	Installation échelle de bain	1
- 803026	21.10.2011	-	Proplusion and steering system	1
- 803067	23.11.2011	-	Plan avec des étiquettes adhésives	1
- 803208	02.04.2012	-	Cotes levage/bers	1
- 803209	03.04.2012	-	Remorquage avant	1
- 890023	17.02.2012	B	Escantillonado	24
- BF-11-62-12	16.03.2012	0	Liste armement FRB 600	1

No departure from these documents is permitted without the prior consent of the Society.

3. TEST REPORTS :

The rigid/inflated rescue boat was tested under witnessing of Bureau Veritas as per prototype tests reports N°BE 049/2011 dated 01.12.2011 and 11.01.2012 on serial N°XDC- ES-C529C C111.

The laminate material of hull and rigid cover were tested as per test report for fire retardancy N°100020-c dated 20.01.2010 and N°LA 10 CHX 2539 P.V. dated 20.01.2010, test report for flame resistance N°100036 dated 18.01.2010 and N°189609 dated 20.01.2010 and strength test report N°2493672/1-rev02 dated 04.07.2012.

The Inherent and additional buoyancy materials were tested as per test report N°LA 08 TLS 2317 P.V. dated 17.12.2008 and test report N°R024-BNN-12-100094-1/A dated 10.04.2012.

Fabrics for inflatable parts were tested as per test report N°LA 08 CHX 2164 pv dated 14.01.2010

Maximum towing force measured with rescue boat serial number XDC- ES-C529C C111:

- 460 kg with Engine type Evinrude 75 HK
- 482 kg with Engine type Evinrude 90 HK
- 372 kg with Engine type Yamaha 75 HP
- 390 kg with Engine type Yamaha 90 HP

4. APPLICATION / LIMITATION :

The scope of the appraisal made by Bureau Veritas to issue this certificate is strictly restricted to the relevant requirements stated on the front page of this certificate.

Application / Limitation of use:

- As per requirements stated on front page of this certificate.
- Maximum capacity: 6 persons including one person lying down on a stretcher.
- The period of shelf life of equipment subjected to deterioration with age is to be indicated.

On board installation & Maintenance requirements:

- As per requirements stated on front page of this certificate.

The following equipment shall comply with the requirements of MED 96/98/EC as amended, to the satisfaction of the ship's flag administration for acceptance of the equipped rescue boat on board the concerned ship:

- Propulsion Engine: Manufacturer: Fische Marine AS
 Type: Evinrude E-TEC 75 HK
 Power: 56 kW
- Or
- Manufacturer: Fische Marine AS
 Type: Evinrude E-TEC 90 HK
 Power: 67.1 kW
- Or
- Manufacturer: Yamaha Motor Company Ltd
 Type: Yamaha 75 CETO
 Power: 55.2 kW
- Or
- Manufacturer: Yamaha Motor Company Ltd
 Type: Yamaha 90 AETO
 Power: 66.2 kW

- Release Mechanism with the indication of the SWL
- Position indicating lights
- Thermal protective aids
- Retro reflective materials
- Radar reflector
- Portable fire-extinguishing equipment
- Compass type Iris 50 (Plastimo)
- Searchlight

Other materials and/or components :

- Other rigid/inflated rescue boat equipment as listed in LSA Code chapters 5.1.2.2, 5.1.2.3 and 5.1.2.4 is to be to the satisfaction of the ship's flag administration for acceptance of the equipped fast rescue boat on board the concerned ship.
- Electrical components including batteries to be as per drawings listed in paragraph 2.
- Fabric for inflated parts: 1670 DTEX, Aerazur
- Raw materials for the G.R.P Hull:

Reference:	Type:	Manufacturer:
Gel Coat	UNIGEL 2AE - 5602 Airless	Cromogenia-Units, S.A.
Polyester Resin	F 204 TF Norsobyne H 13348 TA	Neste Cray Valley
Glass Fibre Mats	Mat 450, Mat 600	Vetrotex
Glass Fibre Woven Roving / Mats	Rovimat 500/300	Les Fils d'Auguste Chomarat et Cie
UD	Ruban 8002	Les Fils d'Auguste Chomarat et Cie
Buoyancy material	POL CX 25 STD Gris	Flexicel

5. PRODUCTION SURVEY REQUIREMENTS :

- The raw materials are to be traceable in case of compatibility problems in repair.
- This certificate does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.
- Each rigid/inflated rescue boat intended to be fitted onboard a ship registered to a National register adhering to the Directive shall be delivered with a Declaration of Conformity.
- The manufacturer shall keep records of any production tests carried out in accordance with instructions given in IMO resolution MSC.81(70) Part 2 as amended by MSC.226(82) and MSC.274(85).
- Each equipment, or batch of equipment, is to be supplied with its Manual(s) for installation, use and maintenance.

6. MARKING OF PRODUCT :

The rigid/inflated rescue boat shall be marked with:

- Markings as per MED 96/98/EC: ☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (where BV, 0062) and XX are the last two digits of year mark affixed.
- Markings as per chapters 1.2, 4.4.1.2 and 4.4.9 of LSA Code as amended.

7. OTHERS :

- This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the fast rescue boat at any time, and that Manufacturer will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the rescue boat and the conditions of this approval.

*** END OF CERTIFICATE ***