



Certificate number: 22309/A0 EC

File number: 4099/09

Annex A1 Item number: A.1/1.19

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

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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 2009/26/EC

*This certificate is issued to*

**ZODIAC SOLAS**  
PARIS - FRANCE

*for the type of product*

**INFLATED RESCUE BOATS**  
Rigid Inflated Rescue Boat, Type: RIBO 450

### Requirements:

SOLAS 74 Convention as amended, Regulations III/4, X/3, III/21, III/31 and III/34  
IMO Res. MSC.48(66) as 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) Part 1. as amended by MSC.200(80), MSC.226(82) and MSC.274(85)  
ISO 15372:2000  
MSCCirc.1006  
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: 28 Apr 2015**

**For BUREAU VERITAS Notified Body 0062,**

At BV BORDEAUX, on 28 Apr 2010,

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.



# U. S. Department of Homeland Security

## United States Coast Guard

# Certificate of Approval

Coast Guard Approval Number: 160.156/100/0

Expires: 26 July 2015

RESCUE BOAT (SOLAS)

ZODIAC SOLAS  
ROUTE DE CHATENET  
17210 CHEVANCEAUX  
FRANCE

Model RIBO 450, 4.5 m x 1.9 m, 6-person SOLAS rigid/inflated rescue boat of fiberglass reinforced plastic construction.

Meets IMO LSA Code Chapter V (Resolution MSC.48(66), as amended by Resolutions MSC.218(82) and MSC.272(85)), and IMO Resolution MSC.81(70), as amended by Resolutions MSC.226(82) and MSC.274(85), Part 1, Section 7.3.

Equipped with one Evinrude 25 or 40 Hp outboard engine and a four-point lifting sling. Not approved or equipped with a specific approved release mechanism. Installation of boat must include approved release hook compatible with boat lifting ring. Boat/hook combination must be subjected to 5-kt towing release test upon installation (for onload hook), or be provided with a suitable painter to allow release when towed.

Towing force demonstrated to be 2613 N for the 40 Hp engine and 2334 N for the 25 Hp engine.

Must be marked 160.156/100/0 and "SOLAS".

Identifying data: General Arrangement drawing 802225 dated February 19, 2009, Drawing List BF0852 - US, dated October 9, 2008, and all associated approved detail drawings as referenced thereon.

Weights: Condition A: 372 kg ( 820 lb) Condition B: 867 kg (1911 lb)  
Subtract approximately 37 kg (80 lbs) when equipped with the 25 Hp Evinrude.

Tests and inspections conducted by Bureau Veritas. Production test summary pursuant to 46 CFR 159.007-11 due annually. Valid only for equipment manufactured at the approval holder's address above or the following location:

ZODIAC  
POLIGONO MAS CAN BECH  
CTRA. COMARCAL GI-610 KM 2  
17480 ROSES (GIRONA)  
SPAIN

Supersedes approval certificate 160.156/100/0, dated July 26, 2010, to add optional 25 Hp outboard.

**THIS IS TO CERTIFY THAT** the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.



GIVEN UNDER MY HAND THIS 6<sup>th</sup> DAY OF  
JULY 2011, AT WASHINGTON D.C.

*K. J. HEINZ*  
K. J. HEINZ  
Chief, Lifesaving and Fire Safety Division  
BY DIRECTION OF THE COMMANDANT



**CERTIFICATE OF APPROVAL**

**CERTIFICAT D'APPROBATION**

THIS CERTIFIES THAT THE ITEM SPECIFIED HEREIN HAS BEEN APPROVED BY TRANSPORT CANADA, IN ACCORDANCE WITH THE PROVISIONS OF THE CANADA SHIPPING ACT, 2001 AND REGULATIONS MADE THEREUNDER AND SUBJECT TO CONDITIONS SET FORTH ON THE REVERSE SIDE.

LES PRÉSENTES FONT FOI QUE L'ARTICLE MENTIONNÉ DANS LE PRÉSENT CERTIFICAT A ÉTÉ APPROUVÉ PAR TRANSPORTS CANADA, CONFORMÉMENT AUX DISPOSITIONS DE LA LOI SUR LA MARINE MARCHANDE DU CANADA, 2001 ET DE SES RÈGLEMENTS ET SOUS RÉSERVE DES CONDITIONS FIGURANT AU VERSO.

ISSUED TO - TITULAIRE <b>ZODIAC SOLAS</b> Route de Chatenet 17210 Chevanceaux FRANCE
ITEM - L'ARTICLE <b>RIGID INFLATED RESCUE BOAT</b> <b>TYPE: RIBO 450</b>
DESCRIPTION The RIBO 450 consists in a buoyancy tube divided in 5 compartments, separated by airtight bulkhead. Each compartment is fitted with one inflation valve and one safety relief valve. The boat is fitted with a GRP rigid hull. The hoisting consists of bow and transom lifting points, with 4 legs lifting slings.
REMARKS - REMARQUES 1. This approval is based on tests carried out by Bureau Veritas, on a prototype unit described in the Test Report No.BE 049/2009 dated 23/04/2009. 2. The test complies with SOLAS 74 Convention as amended, the LSA Code as amended 2000 HSC Code, Res. MSC.81(70) as amended by MSC.200(80), MSC.226(82) and MSC.272(85), and MSC/Circ.1006. 3. Conditions of approval are specified on reverse side of this certificate. 4. Schedule attached forms part of this certificate. 5. The validity of this Certificate is contingent upon Bureau Veritas EC Type Examination Certificate remaining in force.

This approval supersedes approval number \_\_\_\_\_ dated \_\_\_\_\_  
La présente approbation remplace l'approbation n<sup>o</sup> \_\_\_\_\_ datée du \_\_\_\_\_

This certificate is not transferable and is effective until \_\_\_\_\_ unless cancelled or suspended by proper authority.  
Le présent certificat ne peut pas être cédé et il est valable jusqu'au \_\_\_\_\_ à moins d'annulation ou de suspension par l'autorité compétente.

Signed, on behalf of the Minister of Transport by  
Signé, au nom du Ministre des Transports par

August 24, 2011  
Date