

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Launching appliances for free-fall lifeboats

with type designation(s)
NPT85DF

Issued to

Jiangyin Neptune Marine Appliance Co., Ltd.
Jiangyin City, China

is found to comply with the requirements in the following Regulations/Standards:

Annex A.1, item No. A.1/1.23 and Annex B in the Directive. SOLAS 74 as amended, Regulation III/4, III/16, III/23, III/33, III/34 & X/3, LSA Code and 2000 HSC Code 8

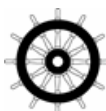
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-03-17**.

Issued at **Høvik** on **2016-03-18**

DNV GL local station:
Jiangyin FiS&CMC

Approval Engineer:
Xiao Long Eric Song



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

- Free-fall lifeboat davit with;
- Maximum Working Load, MWL = 85 kN
- Secondary means of launching
 - Wire Rope Diameter = 22 mm
 - Recovery: Max. 3 crew in lifeboat

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with makers product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standards or codes and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation, onboard testing (MSC.81(70) part.2), support to the deck structure, and connection to power supply are not included in this examination and shall be accepted by attending surveyor in each case.

Type Examination documentation

Drawing No.	Rev.	Title
NPT85DF-02	2010-01-25	Operation/maintenance manual
NPT85DF-03	2010-01-25	Design calculation sheet
NPT85DF-04	2010-01-25	Test item
NPT85DF-05	2010-01-25	Physicochemical properties of material for main parts
NPT85DF-06	2010-01-25	General Arrangement
NPT85DF-07	2010-01-25	Pivot
NPT85DF-07-01	2010-01-25	Shaft sleeve
NPT85DF-07-02	2010-01-25	Shaft
NPT85DF-07-03	2010-01-25	Bush
NPT85DF-07-05	2010-01-25	Base
NPT85DF-08	2010-01-25	Hydraulic winch
NPT85DF-08-01	2010-01-25	Transmission unit
NPT85DF-08-01-01	2010-01-25	Frame
NPT85DF-08-01-03	2010-01-25	Shaft
NPT85DF-08-01-04	2010-01-25	Drum
NPT85DF-08-01-06	2010-01-25	Frame(2)
NPT85DF-08-02	2010-01-25	Base

NPT85DF-09	2010-01-25	Hydraulic Unit
NPT85DF-10	2010-01-25	Stop Plate
NPT85DF-11	2010-01-25	Davit arm
NPT85DF-11-01	2010-01-25	Block
NPT85DF-11-01-01	2010-01-25	Support
NPT85DF-11-01-02	2010-01-25	Shaft
NPT85DF-11-02	2010-01-25	Connect beam(1)
NPT85DF-11-02-01	2010-01-25	Connect Plate
NPT85DF-11-03	2010-01-25	Connect beam(2)
NPT85DF-11-04	2010-01-25	Plate
NPT85DF-11-05	2010-01-25	Plate
NPT85DF-12	2010-01-25	Lashing unit
NPT85DF-13	2010-01-25	Slide way
NPT85DF-13-01	2010-01-25	Guide roller
NPT85DF-13-01-01	2010-01-25	Shaft
NPT85DF-13-02	2010-01-25	Connect beam(1)
NPT85DF-13-02-01	2010-01-25	Connect plate
NPT85DF-13-03	2010-01-25	Connect beam(2)
NPT85DF-13-04	2010-01-25	"H" Connect beam
NPT85DF-14	2010-01-25	Middle cross beam
NPT85DF-15	2010-01-25	Davit arm support
NPT85DF-16	2010-01-25	Release hook
NPT85DF-16-01	2010-01-25	Gripping chain
NPT85DF-16-01-01	2010-01-25	Slinger (1)
NPT85DF-16-01-02	2010-01-25	Slinger (2)
NPT85DF-16-02	2010-01-25	Gripping block base
NPT85DF-17	2010-01-25	Floating beam
NPT85DF-17-01	2010-01-25	Shaft
NPT85DF-17-03	2010-01-25	Tackle frame
NPT85DF-17-04	2010-01-25	Shaft
NPT85DF-17-06	2010-01-25	Tackle
NPT85DF-18	2010-01-25	Boat fall unit
NPT85DF-18-01	2010-01-25	Tackle(1)
NPT85DF-18-01-01	2010-01-25	Tackle body
NPT85DF-18-01-02	2010-01-25	Shaft
NPT85DF-18-01-04	2010-01-25	Tackle
NPT85DF-18-02	2010-01-25	Tackle(2)

Job Id: **344.1-002396-2**
Certificate No: **MEDB00000VR**

NPT85DF-18-02-01	2010-01-25	Tackle body(2)
NPT85DF-18-02-02	2010-01-25	Shaft
NPT85DF-18-03	2010-01-25	Block
NPT85DF-18-03-01	2010-01-25	Tackle body
NPT85DF-18-04	2010-01-25	Stop rod
NPT85DF-18-04-01	2010-01-25	Frame
NPT85DF-18-04-03	2010-01-25	Shaft
NPT85DF-18-04-04	2010-01-25	Support
NPT85DF-18-04-05	2010-01-25	Frame
NPT85DF-18-04-05-01	2010-01-25	Frame
NPT85DF-18-04-05-02	2010-01-25	Shaft
NPT85DF-19	2010-01-25	Pump system
NPT85DF-20	2010-01-25	Hydraulic system
NPT85DF-21-01	2010-01-25	Electric & Connection diagram and list
NPT85DF-21-02	2010-01-25	Overall diagram of control box
NPT85DF-22	2010-01-25	Operation plate

Tests carried out

Testing according to IMO Resolution MSC 81(70) carried out 2010-10-27, witnessed by DNV GL Nanjing.

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9:

- Type designation, manufacturer name and serial number
- Maximum Working Load, MWL

END OF CERTIFICATE