

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Launching appliances using fall (davits)

with type designation(s)
JYHG170

Issued to

Jiangsu Jiaoyan Marine Equipment Co., Ltd.
JIANGYIN, JIANGSU, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/1.21. SOLAS 74 as amended, Regulation III/4, 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 **2024-07-04**.

Issued at **Høvik** on **2019-07-05**

DNV GL local station:
Jiangyin

Approval Engineer:
Zrinka Cizmek



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Product description

Lifeboat Davit with;

- Maximum Working Load, MWL = 190 kN (95kN on each davit arm)
- Minimum Breaking Load of Wire Rope, MBL = 285 kN

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with maker's product certificates (3.1).
- Installation, on-board 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.
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standard or code 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.

Type Examination documentation

<u>Drawing No.</u>	<u>Rev.</u>	<u>Title(s)</u>
JYHG170-00	2	JYHG170 Hydraulic Gravity Davit General Arrangement
JYHG170-00ELE-1	0	JYHG170 Hydraulic Gravity Davit Electric System
JYHG170-00HY	1	JYHG170 Hydraulic Gravity Davit Hydraulic System
JYHG170-01-0	1	JYHG170 Hydraulic Gravity Davit Davit Arm
JYHG170-01-01	0	JYHG170 Hydraulic Gravity Davit Eye Plate
JYHG170-01-02	0	JYHG170 Hydraulic Gravity Davit Eye Plate
JYHG170-01-03	0	JYHG170 Hydraulic Gravity Davit Eye Plate
JYHG170-02-0	1	JYHG170 Hydraulic Gravity Davit Wire Arrangement
JYHG170-02-01	1	JYHG170 Hydraulic Gravity Davit Boat Fall
JYHG170-02-01-01	1	JYHG170 Hydraulic Gravity Davit Shaft
JYHG170-02-02-0	0	JYHG170 Hydraulic Gravity Davit Tackle (2)
JYHG170-02-02-01	0	JYHG170 Hydraulic Gravity Davit Tackle Case
JYHG170-02-02-02-0	0	JYHG170 Hydraulic Gravity Davit Tackle
JYHG170-02-02-02-01	1	JYHG170 Hydraulic Gravity Davit Pulley Body
JYHG170-02-02-04	0	JYHG170 Hydraulic Gravity Davit Shaft
JYHG170-02-03-0	0	JYHG170 Hydraulic Gravity Davit Tackle (1)
JYHG170-02-03-01	0	JYHG170 Hydraulic Gravity Davit Tackle Case
JYHG170-02-04-0	0	JYHG170 Hydraulic Gravity Davit Tackle (3)
JYHG170-02-04-01	0	JYHG170 Hydraulic Gravity Davit Tackle Case
JYHG170-03-0	0	JYHG170 Hydraulic Gravity Davit Fastening Unit
JYHG170-04-0	0	JYHG170 Hydraulic Gravity Davit Hydraulic Arrangement
JYHG170-05-0	0	JYHG170 Hydraulic Gravity Davit Boat Support
JYHG170-06-0	0	JYHG170 Hydraulic Gravity Davit Davit Base
JYHG170-06-01	0	JYHG170 Hydraulic Gravity Davit Bush

Job Id: **344.1-004169-5**
Certificate No: **MEDB00005JZ**

JYHG170-06-02	0	JYHG170 Hydraulic Gravity Davit Shaft
JYHG170-06-03-0	1	JYHG170 Hydraulic Gravity Davit Base
JYHG170-06-03-01	0	JYHG170 Hydraulic Gravity Davit Shaft
JYHG170-07-0	0	JYHG170 Hydraulic Gravity Davit Hydraulic Power Unit
JYHG170-08-0	0	JYHG170 Hydraulic Gravity Davit Moving Tackle
JYHG170-08-01	0	JYHG170 Hydraulic Gravity Davit Shaft
JYHG170-09-0	0	JYHG170 Hydraulic Gravity Davit Maintenance Rope
JYHG170-11-0	0	JYHG170 Hydraulic Gravity Davit Head Tackle
JYHG170-11-01	0	JYHG170 Hydraulic Gravity Davit Shaft
JYHG170-11-02	0	JYHG170 Hydraulic Gravity Davit Tackle Case
JYHG170-11-03-0	0	JYHG170 Hydraulic Gravity Davit Tackle
JYHG170-11-03-01	0	JYHG170 Hydraulic Gravity Davit Bush
JYHG170-12-0	0	JYHG170 Hydraulic Gravity Davit Limit Switch
JYD-TY-11-02A	0	JYD-TY Bush
JYHG105-03-01-0	1	JYHG105 Hydraulic Gravity Davit Hydraulic Power Unit
JYHG105-03-01-01	1	JYHG105 Hydraulic Gravity Davit Support
JYHG105-03-01-02	1	JYHG105 Hydraulic Gravity Davit Connection Unit
JYHG105-03-01-04-0	1	JYHG105 Hydraulic Gravity Davit Oil Tanker
JYHG170-00JS	2	Calculating Instruction of Designing (18 pages)
JYHG-170-00IOM	1	Operating, repairing & Maintaining Manual (26 pages)

Tests carried out

Prototype tested in accordance with IMO Resolution MSC.81(70) Part 1.

<u>Report</u>	<u>Date(s)</u>	<u>Witnessed by</u>
MSC/Circ980/Add.2	2014-04-15	DNV GL Jiangyin

Marking of product

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

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

END OF CERTIFICATE