EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000079V

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 AS under the authority of the Government of Norway.

This is to certify:

That the Launching appliances using fall (davits)

with type designation(s)
HLBD 24

Issued to
Oceanwide S.a.S. B.V.
Werkendam, Noord-Brabant, Netherlands

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170,**
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 **2026-05-03**.

Issued at **Høvik** on **2021-05-04**

DNV local station:
Netherlands CMC

Approval Engineer:
Mats Asvald Innstø

Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
Head of Notified Body

NORWEGIAN ACCREDITATION PROD 019

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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Launching appliance for life saving

- Maximum Working Load, MWL = 240 kN

Reference is made to DNV GL SE certificate 14 360 – 15 HH, issued 2016-03-10.

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with maker's product certificates (3.1).
- 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.
- 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.

Type Examination documentation

Drawing No.	*Title(s)*
22853-H1	Hydraulic Diagram
HLBD-24-003	Foundation Plate
HLBD-24-003-Aa	Foundation Plate with Cylinder Foundation
HLBD-24-003c	Foundation Plate
HLBD-24-003-D	Reaction Forces on Foundation for Davit type HLBD 24
HLBD-24-004	Davit Arm Support
HLBD-24-006-A	Davit Hinge Assembly
HLBD-24-006-B	Davit Hinge Assembly
HLBD-24-018-A	Sheave House Assembly
HLBD-24-018-B	Sheave House Assembly
HLBD-24-024	Wire Sheave Assembly
HLBD-24-028a	Cylinder Foundation Assembly
HLBD-24-054	Davit Arm Weld Construction for Stern Part of Boat
HLBD-24-055	Davit Arm Weld Construction for Fore Part of Boat
HLBD-24-071	Davit Arm for Stern Part of Boat
HLBD-24-071	Davit Arm for Stern Fore of Boat
HLBD-24-077b	Support at Davit Arm with Cylinder Axle
HLBD-24-081b	Support at Davit Arm
HLBD-24-097	Davit for Stern Part of boat
HLBD-24-098	Davit for Fore Part of Boat
HLBD-24-098	Davit for Fore Part of Boat
HLBD-24-099	Diff.- Cylinder 220/120-950
HLBD-24-100	Moving Wire Sheave
HLBD-24-101	Diff.-Cylinder 125/80-485

HLBD-24-103	Moving Sheave House Assembly
HLBD-24-109	Side Plate for Support at Davit Arm
HLBD-24-110b	Component Parts of Foundation Plate
(Ref. A)	Operation and Maintenance Manual

Tests carried out

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

Description	*Report*	*Date(s)*	*Witnessed by*
Prototype Test Report	MSC/Circ.980/Add.2	2010-05-12	GL

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