

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, 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 Lifeboats: Davit-launched lifeboats: partially enclosed/totally enclosed

with type designation(s)
HLB 1300/24

Issued to

Oceanwide S.a.S.
Rotterdam Zuid-Holland, Netherlands

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

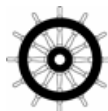
Annex A.1, item No. A.1/1.17a and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation III/4, III/21, III/31, III/34 & X/3, LSA Code, IMO MSC/Circ. 1006 & 1423, and 2000 HSC Code 8

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

This Certificate is valid until **2020-09-10**.

Issued at **Høvik** on **2016-06-27**

DNV GL local station:
**Rotterdam, Product Certification
/Verification**



for **DNV GL AS**

Approval Engineer:
Tessa Bieber

Notified Body
No.: **0575**

Vidar Dolonen
Head of Notified Body

Job Id: **344.1-001931-7**
Certificate No: **MEDB00000SZ**

Product description

Totally enclosed hyperbaric lifeboat with fire-protected and with self-contained air support system.

Length:	13.00 m
Breadth:	3.35 m
Depth:	1.28 m
Weight of boat, fully equipped:	21640 kg
Weight of boat, fully manned (82.5 kg/per person):	23950 kg
Hook manufacturer and type:	Norsafe TOR MKII, on-load
Hook SWL	14000 kg
Hull material:	GRP
Propulsion system:	Inboard engine
Engine manufacturer and type:	Steyr MO144M38 106 kW
Bollard pull:	9.0 kN

Application/Limitation

Approved engine power:	106 kW
Maximum number of persons (82.5 kg/per person):	24 divers and 4 crew
Maximum load of persons (82.5 kg/per person):	2310 kg

- For hyperbaric evacuation this lifeboat shall also hold (or be part of) a Certificate stating conformity to the relevant IMO publications regarding Hyperbaric Escape Units or equivalent Class publications as e.g. DNV-RP-E403.
- The lifeboat shall only be operated onboard ships with a Contingency Plan for hyperbaric evacuation developed by the shipowner and approved by the ship's Flag Administration or designated Recognized Organization.
- Lifeboat equipment and marking/instructions to be inspected after installation onboard the ship. Equipment shall comply with LSA Code and IMO Res.MSC.81(70).
- The design assessment is based on International Life-Saving Appliances (LSA) Code, IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81), IMO Res. MSC.218(82), IMO Res. MSC.272(85) and IMO Res. MSC.320(89)
- Production and installation testing shall be carried out according to IMO Res. MSC. 81(70), part 2.

Type Examination documentation

Basis for approval:

Drawinglist HLB1300-2016 (our ref. 344.1-001931 J157)	2016-06-28
Prototype test report	2009-05-26 and 2009-12-23
Prototype test witnesses by DNV GL –new hook installed/ material hook foundation	2012-06-28 (towing release test) 2016-06-07 (simultaneous release test)
Test report no. 102010.80/08.101 (IMO MSC/Circ. 1006 fire test), SINTEF NBL, Trondheim, Norway	2008-09-10
Test report no. E08-0525 (laminare mechanical properties), TNO, Eindhoven, The Netherlands	2008-07-25
Manufacturing compliance survey	2009-02-13
Lifeboat impact test	2009-05-26

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Revised drawing list wrt hook/material hook foundation change:

- General arrangement – HLB1300-STD-01-00 Rev.A
- Hook foundation FRONT – HLB-STD-17-01-00 Rev. A
- Hook foundation AFT – HLB-STD-17-01-02 Rev. A
- Operation manual

2014-03-11
2015-09-22
2015-09-21
April 2016 Rev. 1.0.3

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) part 1, as amended by IMO Res. MSC.226(82), IMO Res. MSC.274(85), IMO Res. MSC.321(89), IMO Res. MSC323(89) and IMO MSC/Circ.1006.

Marking of product

The product is to be indelibly marked with name of manufacture, type designation, dimensions and date of manufacture, according to LSA code item 4.4.1.2.

List of lifeboat equipment to be posted in the boat.