

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 Liferaft launching appliances (Davits)

with type designation(s)
LRD3300

Issued to

Aukra Maritime AS
AUKRA, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/1.24. SOLAS 74 as amended, Regulation III/4, III/12, III/16, III/34 & X/3,
LSA Code and 2000 HSC Code 8

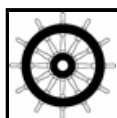
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-03-20**.

Issued at **Høvik** on **2020-03-21**

DNV GL local station:
Norway CMC, Mid-North

Approval Engineer:
Mats Asvald Innstø



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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

Liferaft davit with

- Maximum Working Load, MWL = 3300 kg

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

<u>Drawing no.</u>	<u>Rev.</u>	<u>Title.</u>
306005-99-131-001	0	OPERATION MANUAL
306005-99-131-002	0	MAINTENANCE MANUAL
112505	A	Foundation Liferaft Viking 35DK
151376	D	Liferaft Davitarm PS
151406	D	Fixed part PS. Machining. Weldment
151414	A	Hook stow ear. Weldment
151418	A	Handle shelf PL5.0
151432	A	Support for winch handle. Weldment
151433	A	Bearing Ø50/40, L=75
151434	A	Grating 850x1020
151435	A	Grating 575x380
151444	A	Railing for Liferaft Davit Arm. Weldment
151453	C	Graiting frame I. Weldment
151456	A	Step graiting frame. Weldment
151457	B	Fixing bracket for ladder
151460	C	Ladder for Liferaft Davit. Weldment
151463	A	Securing bracket
151466	B	Fixed plate
151467	B	Fixed plate
151469	A	Shaft Ø31-350
151470	A	Round bar Ø15

151471	A	Plane bearing PL8.0 Ø40/15
151475	A	Wire block casing
151476	B	Stopper
151477	C	Shaft Ø72 L=325
151480	A	Rail cover. Weldment
151486	B	Yoke foundation. Weldment
151494	A	Wire block support I. Weldment
151495	E	LIFE RAFT DAVIT - PORT FWD
151497	D	Liferaft Davitarm SB
151499	E	LIFE RAFT DAVIT - STB FWD
153307	A	Sheave house weldment
153308	A	Foundation for fixed sheave PS. Weldment
153309	D	Movable part PS. Weldment
153310	D	Fixed part PS. Weldment
153313	D	Movable part SB. Weldment
153314	A	Foundation for fixed sheave SB. Weldment
153356	D	Fixed part SB. Machining. Weldment
153357	D	Fixed part SB. Main structure. Weldment
153365	A	Railing for Liferaft Davit Foundation. Weldment
153370	A	Winch shaft extension
153377	A	Support for pipe. Weldment
153597	A	Plane bearing PL18.0 Ø40/15
153883	A	Sign plate SB
153887	A	Sign plate PS
162985	A	Filling plate
163955	A	Railing for Liferaft Davit Foundation
163962	A	Railing for Liferaft Davit Arm. Weldment
164054	A	Lock plate
166341	A	GRATING 255X380
166343	A	GRATING 455X480
166342	A	GRATING 380X480

Job Id: **344.1-010125-1**
Certificate No: **MEDB000067N**

Tests carried out

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

<u>Description</u>	<u>Report</u>	<u>Date(s)</u>	<u>Witnessed by</u>
Prototype test Lot/Serial: 31	MSC/Circ.980	2020-02-10	DNV GL Kristiansund, Norway

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