EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000086H

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 Winches for survival craft and rescue boats: (d) rescue boats

with type designation(s)
Hydraulic davit winch 3t

Issued to
Kverneland Aqua AS
SANDNES, **Norway**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2023/1667,**
item No. MED/1.41d. SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/34, X/3, LSA Code, 2000 HSC Code and IMO MSC.1/Circ.1632

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

This Certificate is valid until **2028-11-21**.

Issued at **Høvik** on **2023-11-22**

DNV local unit:
West Norway 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Rescue boat winch with:

- Maximum Working Load, MWL = 3000 kg (2nd layer)
- Maximum Hoisting Load, MHL = 3000 kg
- Wire Rope Diameter = 14 mm

This winch is to be used together with “SAFE Davit AF-3000” (MEDB000086G).

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 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, 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

Drw No	*Rev*	*Title*
KVAQ-4037-201-R-XD-201	01	General arrangement w/attachments
KVAQ-4037-R-XD-201	01	General Arrangement
KVAQ-4037-N-XD-201	02	Drum Unit
KVAQ-4037-N-XD-202	01	Bearing bracket
KVAQ-4037-R-XS-200	01	Distance washer
KVAQ-4037-R-XS-201	01	Locking plate
KVAQ-4037-R-XS-203	01	Covering plate
KVAQ-4037-R-XS-204	01	Locking bolt
KVAQ-4037-R-XS-205	01	Floating mounting bracket
KVAQ-4037-R-XS-206	01	Space bar
KVAQ-4037-R-XS-207	01	Wire clamp
KVAQ-4037-R-XS-208	01	Threaded munting bracket
KVAQ-4037-R-XS-209	01	Gear bracket
KVAQ-4037-R-XZ-201	01	Mechanical Assembly

Tests carried out

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

Description	*Report*	*Date(s)*	*Witnessed by*
Initial PTT w/ Davit AF-3000	Circ.1632	2023-10-20	DNV Kristiansand, 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