Certificate no.:
TAS00004TU

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Winch - General Application

with type designation(s)
Crane Winch

issued to
Seaonics AS
Ålesund, **Norway**

is found to comply with

DNV standard DNV-ST-0378 – Offshore and platform lifting appliances

Application:

See next page

Issued at **Høvik** on **2025-04-22**
This Certificate is valid until **2030-04-22**.
DNV local unit: **Mid-North Norway FiS**

Approval Engineer: **Troels Amdi**

for **DNV**

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This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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 USD 300 000.

Product description
Crane winch for offshore lifting

Application/Limitation

SWL	6.000 kg
Design temperature	-20˚C
DAF	1.3
Cable Diameter	Ø18 mm
Cable MBL	298 kN
Maximum number of layers on Drum	4
Minimum number of safety turns on drum	3

Note:
- Gears and brakes not included, to be delivered with TA/design approval, see DNV-ST-0378 table 2-1
- Electrical and control system is not part of this approval. To be covered by separate approval.
- The various components transferring the load like wire clamps, wires, shackles etc. are to comply with an international standard or code and are to be delivered with manufacturer's certificates.
- Load carrying bolts are to be pre-stressed according to procedures acceptable to the attending surveyor.
- Installation onboard incl. support to the structure are not included in this approval and shall be evaluated in each case.
- Materials are to be delivered with 3.1 certificates.
- Gear box designations shall be:
  article 16107422 - EC1602 / MP / 18 / A.D. IEC225 / B3A
  article 16107578 - DANA EC3020/MR/52.42

Type Approval documentation

Title	Revision	Document number

Testing
In order to obtain a DNV Product Certificate, testing shall be carried out in accordance with DNV-ST-0378, Section 14. Testing to be witnessed by DNV.

Marking of product
Each winch is to be marked according to DNV-ST-0378 section 14.5

Periodical assessment
In order to maintain the validity of the type approval certificate, periodical assessments shall be performed by DNV Surveyor after 2 years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the approval are complied with. Reference is made to DNV-CP-0338.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

Manufactured by:
Seaonics Norway, Hundsværgata 8, 6008 Ålesund, Norway
Seaonics Poland, ul. Benzynowa 50, 83-021 Przejazdowo Poland

End of Certificate