Certificate No:
TAS00003DC

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Winches for MOB cranes and Tenderboat cranes

with type designation(s)
STL0125, STL0126

Issued to
Hydromar Marine Equipment B.V.
Leeuwarden, Friesland, **Netherlands**

is found to comply with
Red Ensign Group Yacht Code – Part A, January 2019 Edition
DNV standard DNV-ST-0377 – Standard for shipboard lifting appliances

Application :

Product(s) approved by this type approval is/are accepted for DNV product certification.

Issued at **Hamburg** on **2022-03-22**
This Certificate is valid until **2027-03-21**.
DNV local station: **Netherlands VMC**

Approval Engineer: **Frank Poetsch**

for **DNV**

Olaf Drews
Head of Section

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 300,000 USD.

Product description

Crane winch for MOB cranes and Tenderbaot cranes, type STL0125 (1 Hook winch) and STL0126 (2 Hook winch)

Application/Limitation

Winch type STL0125 (single drum) and STL0126 (double drum) acc. REG-LYC Pt. A (design) and DNV-ST-0377 Standard for shipboard lifting appliances (materials, weldings and workmanship). Winches for Tender-cranes and MOB cranes for yachts > and < 500GT.
Basically three crane specifications / operational circumstances are available:

1. Tender cranes purely for cargo use, without any people inside the tender during launching and recovery.
2. Tender cranes which allow 2 trained crew members in the tender during launching and recovery operations.
3. MOB cranes which allow specified number of people in the tender during rescue launching and recovery operations.
4. Crane operations with the combination of 1 and 3 and combinations of 2 and 3 are possible

Design Parameter	***Value***
STL0125 (1 Hook winch)	
Max. load wire	20,625kN
Static load wire	27,407kN
Wire-ø	12mm, Geobend
Lines from drum	1
Hoisting speed	24 m/min
Wire breaking strength	165kN (wire safety 8)
Drum-ø	331mm (ungrooved, single drum)
Layer, max.	2
Safety windings	3
Power unit	Hydraulic motor and emergency supply or manual power (hydraulic hand pump)
STL0126 (2 Hook winch)	
Max. load wire	12,00kN
Static load wire	13,703kN
Wire-ø	10mm, Geobend
Lines from drum	2
Hoisting speed	24 m/min
Wire breaking strength	96kN (wire safety 8)
Drum-ø	331mm (ungrooved, double drum)
Layer, max.	3
Safety windings	3
Power unit	Hydraulic motor and emergency supply or manual power (hydraulic hand pump)

Type Approval documentation

Tests carried out

- FAT; Factory Acceptance Test, STL0126, Hlgl066-772#2, date 2-3-2022, A1174059, N142AK4W
- FAT; Factory Acceptance Test, STL0125, Hlgl066-772#1, date 2-3-2022, A1174059, N142AA7J
- For DNV certification – each crane winch is to be tested in analogy to MSC.81(70)

Marking of product

The system is to be marked with the name of manufacturer and type designation.

Periodical assessment

DNV's Surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and after two years (+/- 90 days) and after 3.5 years (+/- 90 days). The arrangement is to be in accordance with procedure described in the Class Programme DNV-CP-0338, Section 4.

END OF CERTIFICATE