CERTIFICATE OF CONFORMITY - EC (MODULE G)

Certificate No:
MEDG0000174

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 Fast rescue boats: (b) rigid

with type designation and serial number
Weedo 700 MK II FRB - 2244

Issued to
Maritime Partner AS
ÅLESUND, **Norway**

is, by design assessment and product verification, found to comply with
Regulation **(EU) 2022/1157,**
item No. MED/1.20b. SOLAS 74 as amended, Regulation III/4, III/26, III/34, LSA Code and IMO MSC/Circ.1006, 1016 & 1094

USCG Approval No: **N/A**
Further details of the equipment and conditions for certification are given overleaf.

Issued at **Høvik** on **2023-07-03**

DNV local unit:
Norway NB

Approval Engineer:
Jasna Jovovic-Lainis

Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
Head of Notified Body

0575/yyyy

0575: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed

NORWEGIAN ACCREDITATION PROD 019

The product liability tests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate remains valid unless suspended, withdrawn, recalled or cancelled, provided this equipment is not modified without the acceptance of the notified body named herein.

This certificate authorises the manufacturer to affix the “Mark of Conformity” (wheelmark) to the product described herein.

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

"Weedo 700 Mk II", rigid fast rescue boat with single point lifting hook.

Length:	7.27 m
Breadth:	2.51 m
Depth:	0.44 m
Weight of boat, fully equipped with engine:	1914 kg
Weight of boat, fully manned (82.5 kg/person):	3152 kg
Hook manufacturer and type:	H. Henriksen AS, HMK ST 3.5, offload
Lifting arrangement SWL:	3175 kg
Hull material:	GRP
Propulsion system:	Inboard engine w/ waterjet
Engine manufacturer and type:	Volvo Penta D3-220
Waterjet type:	Vosper PP90
Bollard pull:	5.9 kN

Material specification:

Material:	Type:	Manufacturer:
Polyester resin	NORPOL 820-M870	Reichhold
Gelcoat/Topcoat	NORPOL MT	Reichhold
Glass fibre mats	CSM300, CSM600	Ahlstrom Glass fibre Oy
Glass fibre woven roving	DBL800	Devold AMT AS
Buoyant material	Rigid Polyurethane Foam	Baxenden Chemicals Ltd.

Application/Limitation

Approved engine power:	162 kW
Number of persons, max:	15
Maximum load of persons (82.5 kg/person):	1238 kg
Approved colour:	Orange

The fast rescue boat equipment and marking/instructions to be inspected after installation on board the ship. Equipment shall comply with LSA Code and IMO Res. MSC.81(70).

The fast rescue boat is fitted with a release hook without on-load release capabilities, in accordance with LSA Code 4.4.7.6.9. Hence, if it is to be combined with launching appliances with permanent high speed tensioning device (LSA Code 6.1.7.3), compatibility must be assured.

The normal equipment of the fast rescue boat to include a hands-free and watertight VHF radio communication set, in addition to the ones required on the bridge.

The design assessment is based on 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, 5.4.

Technical Documentation

Basis for approval:

- Maritime Partner technical file "MED Type approval Weedo 700 FRB"
- Prototype tests reports witnessed by DNV 2003-10-28
- Prototype tests reports witnessed by DNV 2003-11-11
- Dwg. No. C02-101-02, Rev.03, General Arrangement 2003-12-02
- Dwg. No. E01-029, Rev.1, Løft Sammenstilling 2003-09-15
- Dwg. No. E01-030-01, Rev.B, Construction – Hull HJ213 2016-01-07
- Dwg. No. E01-030-2, Construction – Inner Liner 2003-12-12

- Dwg. No. E01-151, Rev.01, Capsize Arrangement 2003-08-15
- Dwg. No. E03-021-01, Rev.0, Buoyancy calculation 2003-11-27
- Dwg. No. E03-136-03, Rev.03, Self Righting Frame 2003-09-03
- Dwg. No. E01-147-01, Rev.1, Seating Plan for 15 Persons -
- Dwg. No. E03-150, Rev.02, Fuel Arrangement 2003-11-20
- Dwg. No. F01-042, Rev.01, El. Arrangement 2003-10-06
- Material strength test report 5550/03034 by Møreforsking 2003-12-18~22
- Material strength test report 5550/04007 by Møreforsking 2004-04-29
- Material fire-test report 1021010.90/02.182 by SINTEF 2002-08-22
- Material fire-test report 1021010.80/04.021 by SINTEF 2004-02-18

Updated seating arrangement:

- Dwg. No. E01-147-01, Rev.3, Seating Plan for 15 Persons 2006-04-02

Additional engine alternative (Volvo Penta D3-220):

- Assessment checklist fabrication - product for rescue boat Weedo 700 MKII, Serial No. 2161- Bollard pull test 2020-09-07

Additional documentation for new lifting frame:

- Dwg. No. E01-081, Rev.A, Lifting Plate Weedo 600/700 2013-09-11
- Dwg. No. E01-030-01, Rev.7, Weedo 700 FRB Construction Hull 2013-12-03
- Load test IMO Res. MSC.81(70), Part 2, 5.3.4 (YN 1942) 2014-09-28

Alternative lifting frames – Aluminium:

- Dwg. No. E01-090, Rev.C, Lifting Frame SOLAS 3,5T Alu. 2017-01-27
- Doc. No. MP-2015-02, Rev.1, Lifting Frame Strength analysis 2015-11-30

Assessment checklist fabrication - product 2023-06-14
Fabrication checklist and report 2023-06-14
Load Test Certificate IMO MSC.81(70), Part 2, Ch.5.3.4 2023-06-14
Declaration of Conformity (DoC) - draft 2023-06-19

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. MSC.323(89) and IMO MSC/Circ.1006.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, boat model and serial number, month and year of manufacturer, number of persons approved for and operational restrictions, if any, according to LSA code item 4.4.1.2 and the mark of conformity (see page 1).

List of fast rescue boat equipment to be posted in the boat.