

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 Immersion suits and anti-exposure suits designed to be worn WITHOUT a lifejacket:
Immersion suit without inherent insulation**

with type designation(s)
SeaMob

Issued to
**Hansen Protection AS
MOSS, Norway**

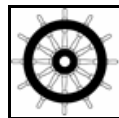
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/1.6a. SOLAS 74 as amended, Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code and 2000 HSC Code 8, IMO MSC/Circ.1046.

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

This Certificate is valid until **2024-03-07**.

Issued at **Høvik** on **2019-03-08**

DNV GL local station:
Sandefjord



for **DNV GL AS**

Approval Engineer:
Jasna Jovovic-Lainis

Notified Body
No.: **0575**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-003501-11**
Certificate No: **MEDB000051D**

Product description

SeaMob is an anti-exposure and a non-insulated immersion suit. The suit and gloves are made of waterproof neoprene. Suit is reinforced with nylon patches. The colour of the suit is orange/black.

Main fabric	Laminated chloroprene rubber foam	by Nam Liong Enterprise Co., Ltd.
Reinforcements	T-5500 Black Dot reinforcement	by WBM
Main zipper	Tizip	by TITEX Vertiebs GmbH
Reflective patches	Scotchlite	by 3M

Application/Limitation

Approved for use as anti-exposure suit and non-insulated immersion suit.

The suit is approved to be used without a lifejacket.

The suit is to be worn with warm clothing.

The suit is to be fitted with a VHF pocket.

Position indicating light and retro-reflective materials shall be approved in accordance with the Marine Equipment Directive and be "wheelmarked".

The design assessment is based on IMO Res. MSC.48(66) as amended by IMO Res. MSC.207(81).

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), Part 2.

Type Examination documentation

Basis for approval:

Technical file "Marine Equipment Directive Module B Technical Documentation File" for SeaMob, version 1 by Hansen Protection AS:	2013-11-06
1. Suit description	
2. Materials and components	
3. Illustrations	
4. Test reports from SINTEF	
Test report No. F24700, version 5, from SINTEF	2014-01-20
Procedure for the Production of Mob Crew Suit (Model 52650)	
Dwg. SeaMob Front and Back, version 03 by Hansen Protection AS	2014-01-17
Material datasheet Chloroprene laminate from maker	

Tests carried out

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70), Part 1, including IMO Res. MSC.200(80), IMO Res. MSC.226(82) and IMO Res. MSC.323(89).

Marking of product

The product is to be indelibly marked with name of manufacturer, type designation, dimensions and date of manufacture. The marking shall comply with the LSA Code (IMO Res. MSC.48(66)), item 1.2.2.9.