DNV·GL

Certificate No:
MEDB00006RY

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 in conjunction WITH a lifejacket: (b) Immersion suit with inherent insulation

with type designation(s)
SeaWind - insulated

Issued to
Hansen Protection AS
MOSS, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397,**
item No. MED/1.5b. 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 **2025-05-18**.
Issued at **Høvik** on **2020-05-19**

DNV GL local station:
Norway Fleet in Service, East-South

Approval Engineer:
Tessa Biever

Notified Body
No.: **0575**

for **DNV GL AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.

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Product description

SeaWind is an insulated immersion suit. The suit is made of watertight breathable material with neoprene hood, cuffs and gloves. The suit is manufactured in two versions:
1. A suit with integrated socks without any thermal insulations and shall therefore be used in combination with relevant boots.
2. A suit with integrated boots.

The colour of the suit may be yellow/black or orange/black.

Main fabric	GoreTex	by Gore
Hood, cuffes, gloves, pen pocket	Neoprene	by NamLiong Ent.
Main zipper	TIZIP	by TITEX Vertiebs GmbH
Reflective patches	Reflexite	by Reflexite Corp.

Application/Limitation

- Immersion suit is to be worn with a lifejacket approved in accordance with the Marine Equipment Directive.
- 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

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(81), IMO Res. MSC 226(82) and IMO Res. MSC 323(89).

Marking of product