

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 the Kingdom of Norway.

This is to certify:

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

with type designation(s)
Sea Nordic, Sea Arctic (N6-suits)

Issued to

**Hansen Protection AS
MOSS, Norway**

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2015/559,**

**Annex A.1, item No. A.1/1.6b and Annex B, Module B in the Directive; SOLAS 74 as amended,
Regulation III/4, III/7, III/22, III/32, III/34 & X/3, LSA Code and 2000 HSC Code 8**

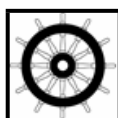
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-12-04**.

Issued at **Høvik** on **2016-12-05**

DNV GL local station:
Sandefjord

Approval Engineer:
Tessa Biever



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body



Job Id:
Certificate No: **MEDB00001NX**

Product description

The N6-suit is an insulated immersion suit designed to be worn without a lifejacket. The suit is delivered in 2 versions:

- Sea Nordic
- Sea Arctic

Sizes: XL (180 – 210 cm), Standard (150 – 200 cm) and Medium (147 – 180 cm)

Main fabric:	4,5 mm Neoprene	by Nam Liong Inc.
Buoyancy foam:	Ethafoam 222	by Dow Chemical Company
Zipper:	TIZIP Super Seal	by TITEX Vertriebs-GmbH
	TIZIP Rescue Seal	by TITEX Vertriebs-GmbH
	YKK	by YKK Corporation

Application/Limitation

- 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) and IMO Res. MSC.218(82).
- Production and installation testing shall be carried out according to IMO Res. MSC.81(70), part 2.

Type Examination documentation

The following documentation is basis for the DNV GL approval:

Reports from prototype testing in Trondheim, Norway witnessed by DNV	2004-12-08, 2004-12-10, 2004-12-13~16, 2005-02-03, 2005-02-07, 2005-03-04 and 2005-04-05
Technical Documentation File N6 Basic, N6 Nordic and N6 Arctic offshore as detailed in list of content, Version 1 (2005-02-18)	2005-04-06
Evaluation and Test Report of N6 Nordic, Size M by Approving organization Thelma AS in Trondheim, Norway witnessed by DNV	2008-06-18
SINTEF testreport P.nr. 804023.77, strength test	2011-11-29

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