

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 Winches for survival craft and rescue boats: davit launched lifeboats

with type designation(s)

C-356-1-C-S, C-356-2-V-S, C-356-4-V-S, C-356-5-V-S

Issued to

Vestdavit AS
LAKSEVÅG, Norway

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

Regulation **(EU) 2017/306,**

item No. MED/1.41a. SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/24, III/34, X/3, LSA Code and 2000 HSC Code

item No. MED/1.41d. SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/24, III/34, X/3, LSA Code and 2000 HSC Code

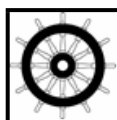
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2020-06-01**.

Issued at **Høvik** on **2017-03-23**

DNV GL local station:
Bergen

Approval Engineer:
Paulo Correia



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body



Product description

Lifeboat/Rescue boat Winch with;

- Maximum Working Load, MWL = 50 kN (2 layers)
- Maximum Hoisting Load, MHL = 50 kN
- Wire Rope Diameter = 18 mm

This winch can be delivered under the following designations

C-356-1-C-S with engine F12-110 and hydraulic system in accordance with A-15019

C-356-2-V-S with engine V14-110 and hydraulic system in accordance with A-15026

C-356-4-V-S with engine V14-110 and hydraulic system in accordance with A-15204

C-356-5-V-S with engine V14-110 and hydraulic system in accordance with A-15243

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with makers product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standards or codes and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation, onboard testing (MSC.81(70) part.2), support to the deck structure, and connection to power supply are not included in this examination and shall be accepted by attending surveyor in each case.

Type Examination documentation

I-1037167	3	Winch housing
I-1037195	0	Winch C-356-1-C-S Assembly Drawing
A-15019	00	Hydraulic for C-356-1-c-s
I-1037498	01	Winch C-356-2-V-S Assembly drawing
A-15026	01	Hydraulic for C-356-2-V-S
I-1037508	3	Winch drum
A-15204	00	Hydraulic for C-356-4-V-S
A-15243	01	Hydraulic for C-356-5-V-S

Tests carried out

C-356-1-C-S (previously designated as C-356-1) prototype testing according to IMO Resolution MSC 689(17) as amended by IMO Res. MSC.54(66) carried out 1998-04-21 and witnessed by Bureau Veritas Bergen.

C-356-2-V-S (previously designated as C-356-4) prototype testing according to IMO Resolution MSC 81(70) carried out 2002-06-24 and witnessed by DNV GL Bergen.

C-356-4-V-S and C-356-5-V-S prototype testing according to IMO Resolution MSC 81(70) carried out 2016-11-03 and witnessed by DNV GL Gdansk.



Job Id: **344.1-002142-4**
Certificate No: **MEDB000025B**

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9:

- Type designation, manufacturer name and serial number
- Maximum Working Load, MWL

END OF CERTIFICATE