

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 Launching appliances using fall (davits)

with type designation(s)
PLD-6000

Issued to

Vestdavit AS
LAKSEVÅG, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/1.21. SOLAS 74 as amended, Regulation III/4, III/23, III/33, III/34 & X/3,
LSA Code and 2000 HSC Code 8

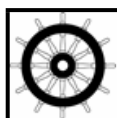
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-11-04**.

Issued at **Høvik** on **2019-11-05**

DNV GL local station:
Bergen

Approval Engineer:
Zrinka Cizmek



Notified Body
No.: **0575**

for **DNV GL AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

Launching appliance for life saving:

- Maximum working load, MWL: 6000kg

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with maker's product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standard or code 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, on-board 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

Drawing No	Rev.	Title
	1	PLD-6000 Design report
VD-TM-91909	0	Technical manual operation and maintenance for davit PLD-6000
D001984	C	CD25-125/63x1100
D018217		CD25-90/56x550
D018249		CD25X-63/40x370
D019119		CP4-140/110x270
VD106019	1	Davit structure PLD-6000 (sheet 11)
VD106165	1	Dockinghead Top assembly
VD106013	1	PLD-6000 - GA
VD106128	1	Wiresheave house plate assembly
VD106109	1	PLD-6000 with keel supports
VD106050	1	Foot hinge davit part
VD106127	1	Dockinghead support plate assembly
VD106063	1	CP4BG110x270 shock absorber
VD106104	1	Piping bracket
VD106103	1	Piping bracket
VD106051	1	Cylinder hinge davit part
VD105395	1	Piping bracket
VD106126	1	Wiresheave house plate assembly
VD105801	1	Cylinder clamp
VD105110	1	Platic Bushing
VD105109	1	Spring support
VD104967	1	Winch C-394-6-V-S

VD105106	1	Cover plate
VD105023	1	Locking plate
VD105105	1	Side cover plate
VD105107	1	Cover plate
VD105103	1	Counter weight
VD105104	1	Sliding plate
VD105026	1	Spacer
VD105034	1	Bronze bearing
VD105022	1	Pin
VD104972	1	Foot hinge bearing
VD104973	1	Cylinder spacer-diameter 31
VD104965	1	Linepuller bracket
VD104966	1	Hinge bolt
VD104963	1	Hydraulic wirepuller
VD104940	1	Pin
VD104958	1	Keep cylinder hinge
VD104942	1	Spacer
VD104937	1	Bronze bearing
VD104962	1	Pin
VD104957	1	Keep cylinder hinge - davit part welded assembly
VD104941	1	Bronze bearing
VD104939	1	Keep cylinder hinge plate
VD104903	1	Dockinghead - accumulator assembly
VD104885	1	Plastic bush
VD104821	1	Sliding assembly
VD104882	1	Limit switch bracket
VD104862	1	Limit switch Slider
VD104833	1	Dockinghead
VD104883	1	Limit switch arm
VD104850	1	Limit switch assembly
VD104853	1	Slider bar
VD104834	1	Cone interface
VD104827	1	Cone interface
VD104814	1	Trim assembly
VD104816	1	Trim assembly
VD104785	1	Spacer
VD104811	1	Bronze bearing
VD104809	1	Trim assembly
VD104784	1	Dockinghead spacer- diameter 51
VD104781	1	Locking plate
VD104782	1	Locking plate
VD104783	1	Keep cylinder spacer-diameter 46

Job Id: **344.1-009500-1**
Certificate No: **MEDB00005K4**

VD104760	1	Pin
VD104764	1	Pin
VD104763	1	Locking plate
VD104761	1	Pin
VD104758	1	Pin
VD104575	1	Pin
VD104718	1	Spacer
VD104708	1	Pin
VD104716	1	Spacer
VD104558	1	Pin
VD104683	1	Locking plate
VD104629	1	Locking plate
VD104723	1	Pin
VD102751	2	Block Assembly for A-470
I-1037549	0	Adapter acc shockabsorber
I-1001003	0	Plate 440 mm x 495 mm T=30 mm
VD102742	1	Emergency swing assy
I-10690910	0	Round bar
I-1000820	1	Shockabsorber blockhouse SK1504
I-1018087	0	Bolt B017
I-1001001	2	Winch House
143267	1	Bladder accumulator
I-1006083	4	Plate 100 X 40, t=10
169636	1	PL 5 x 160 x 57
WS-1K	0	Valveblock
133641	1	Linepuller wheel D=250 t=45
131288	2	External Block Assembly for C-394-3-V-S
101335	2	Weld Block assembly- SK1504
116705	1	Winch Drum 20-24mm wire
101926	3	Welded Flange, for SK1506
130973	1	Plate 148mm x 120mm, t=40mm
VD106746	1	Piping bracket
VD106744	1	Piping bracket
VD106738	1	Support plate - for keel support
VD106721	1	Keel support hinges - welded assembly
VD106722	1	Keel supports hinge - assembly
VD106717	1	Boat interface
VD106716	1	Boat interface
VD106713	1	Boat interface
VD106712	1	Boat interface
VD106737	1	Davit leg support plate
VD106709	1	Right keel support - welded support

VD106723	1	Rubber protection
VD106715	1	Keel support rubber plate
VD106707	1	Keel support
VD106706	1	Main structure - keel support
VD106700	1	Foot hinge assembly
VD106514	1	Wiresheave plate assembly
VD106699	1	Foot hinge - welded assembly
VD106513	1	Wiresheave support
VD106705	1	Left keel support
VD106702	1	Cylinder hinge - assembly
VD106701	1	Cylinder hinge - welded assembly
VD106704	1	Keel support
VD106166	1	Dockinghead Top assembly
VD106159	1	Dockinghead assembly
VD106129	1	Wiresheave house
VD106161	1	Dockinghead top assembly
VD106160	1	Dockinghead Top assembly
VD106162	1	Dockinghead Top assembly
VD106164	1	Dockinghead Top assembly
VD106163	1	Dockinghead Top assembly
PLD-600	0	Checklist for LSA compliance
VD106111		PLD-6000 general arrangement
A-15564	1	Hydraulic diagram on davit
A-15563	2,1	Hydraulic diagram on deck TM3.5 - Emergency procedure Wire Certificate 91909

Tests carried out

Prototype tested in accordance with IMO Resolution MSC.81(70) Part 1.

<u>Report</u>	<u>Date(s)</u>	<u>Witnessed by</u>
Prototype test report MSC/Circ.980 Add.2	2019-10-06	DNV GL Redzikowo, Poland

Marking of product

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

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

END OF CERTIFICATE