DNV·GL

Certificate No:
MEDB00001GJ

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 Launching appliances using fall (davits)

with type designation(s)
SAF-21-A

Issued to
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co.,Ltd.
Zhenjiang Jiangsu, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/1.21 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation III/4, III/23, III/33, III/34 & X/3, LSA Code and 2000 HSC Code 8
Annex A.1, item No. A.1/1.24 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation III/4, III/12, III/16, III/34 & X/3, LSA Code and 2000 HSC Code 8
Annex A.1, item No. A.1/1.41c and Annex B, Module B in the Directive; 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
Annex A.1, item No. A.1/1.41d and Annex B, Module B in the Directive; 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 **2022-03-09**.

Issued at **Høvik** on **2017-03-10**

DNV GL local station:
Nanjing CMC

Approval Engineer:
Paulo Correia

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

Single arm slewing Rescue Boat/Life Raft davit and Winch with;

- Maximum Liferaft Working Load, MWL = 2100 kg
- Maximum Rescue Boat Working Load, MWL = 2000 kg
- Maximum Hoisting Load, MHL = 2000 kg
- Wire Rope Diameter = 16 mm

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

215ZF228-06-0-A	Jib-A
215ZF228-01-0	Base
215ZF228-02-0	Slewing tray
215ZF222-06-5	Shaft
215ZF222-06-3	Pulley
215ZF222-11	Triangle plate
215ZF228-08-5-0	Pulley base
215ZF228-08-4	Bush
215ZF228-08-3	Shaft
215ZF228-08-2	Pulley
215ZF228-05-01-0	Reduction gear set
215ZF228-05-01-01-0	Body case
215ZF228-05-01-02	Gear
215ZF228-05-01-03	Shaft
215ZF228-05-01-05A	Gear shaft
215ZF228-05-01-05B	Gear shaft
215ZF228-05-01-06A	Gear
215ZF228-05-01-06B	Gear
215ZF228-05-01-08	Shaft
215ZF228-05-01-09	Gear shaft
215ZF228-05-01-12	Drum shaft
215ZF228-05-01-13	Gear
215ZF228-05-01-18	Gear
215ZF228-05-01-22	Gear shaft
215ZF228-05-01-24-2	Out ring
215ZF228-05-01-24-3	Star body
215ZF228-05-01-24-7	Column
215ZF228-05-01-29	Gear
215ZF228-05-02-0	Speed limiting clutch device
215ZF228-05-02-03	Internal friction ring

215ZF228-05-02-04	External friction ring
215ZF228-05-02-05	Enter gear
215ZF228-05-02-06	Gear
215ZF228-05-02-12	Nut
215ZF228-05-05-0	Drum
215ZF228-00-A (2/2)	General arrangement
215ZF226-08-0	Limit unit
215ZF222-12	Boat fall unit
215ZF228-00YYL	Hydraulic diagram
215ZF226-11-0	Boat fall unit
215ZF226-16-0	Slewing limit unit
215ZF228-08-0	Head tackle
215ZF228-05-0	Hoisting device
215ZF228-05-01-24-0	Back stop clutch
215ZF228-05-02-13-0	Counter balance
215ZF228-15-0	Hook unit
215ZF228-00	SAF21 Single Arm Rescue Boat/Liferaft Davit
215ZF228-00JS	Supplement Calculation
215ZF228-00SM	Instruction
	Operation and maintenance manual

Tests carried out

Prototype testing according to IMO Resolution MSC 81(70) carried out workshop 2010-08-16, witnessed by DNV Nanjing.

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