DNV·GL

Certificate No:
MEDB00000UR

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Launching appliances using fall (davits)

with type designation(s)
Rescue boat davit type 1816 TN3600

Issued to
Industrias Ferri, S.A.
Gondomar 36, Spain

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

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

This Certificate is valid until **2021-11-10**.

Issued at **Hamburg** on **2016-11-11**

DNV GL local station:
Vigo

Approval Engineer:
Stefan Heuer

Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Job Id:
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Product description

Rescue boat davit type 1816 TN3600

Application/Limitation

None

Type Examination documentation

ist based on the following drawings/ documents, verified with Ref. no.: 16-003032/STEHEU

Drawing No./Rev. No.	*Sheets*	*Title*
1816.3600.0000 Rev. A	3	Tilting davit for rescue boat
1816.3600.0100	2	Conjunto brazo
1816.3600.0200 Rev. A	1	Cuerpo brazo
1816.3501.0220 Rev. B	1	Bastidor brazo
1816.3500.0102 Rev. D	1	Poela
2448.0556.6082 Rev. B	1	Eje
1816.3502.0206 Rev. A	1	Eje poela guia
1816.3500.0112 Rev. C	1	Eje giro pulma
1816.3500.0117 Rev. D	1	Bulon
1816.3003.0500	1	Conjunto amortiguador completo
1816.3500.0300 Rev. B	1	Cilindro amortiguador
1816.3600.0600	1	Polin con soportes
1816.3500.0610 Rev. C	1	Polin
1816.3501.0630 Rev. A	1	Soporte brazo en polin cubierta
1816.3600.0700	2	Cuna del bote
1816.3502.0710 Rev. A	1	Situacion elementos
1816.3502.0710 Rev. A	1	Bastidor cuna
1816.3502.0740 Rev. A	1	Brazo móvil
1816-3600-9000	1	Hydraulic schematics
EQ151206-300 Rev. B	1	Esqueme electrico segun plano
2450.1601.6000 Rev. A	1	Cilindro hidráulico
1816.3600.0070	1	Cable de carga
2452.1625.0700	1	Cable de carga
ANNEX 5	3	Welding information
ANNEX 6	6	Brevini reduction-gear DNV certificate

Tests carried out

according IMO-Resolution MSC.81(70), amended up to MSC.323(89), Part 1, Regulation 8.1

Type Test Report No.: PH/1816.3600 dated 2016-08-20
Test Certifcate: N141AVC7 dated 2016-09-06