DNV·GL

Certificate No:
TAS0000050

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Lifting Gear

with type designation(s)
MOD 6, MOD12, MOD24, MOD34, MOD50, MOD70, MOD70H, MOD110, MOD110H, MOD110SH, MOD250 series, MOD400 series, MOD600 series and MOD800 series

Issued to
Modulift UK Limited
Poole Dorset, United Kingdom

is found to comply with
Standard for Certification No. 2.22 Lifting Appliances

Application :

Modular Spreader Beams for offshore cranes

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2019-10-05**.

Issued at **Høvik** on **2015-10-06**

for **DNV GL**

DNV GL local station: **Approval Centre Aberdeen**

Approval Engineer: **Florian Teica**

Aldo Matteucci
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description

Modulift Modular Spreader beams with the following MOD Sizes and MOD Series:

MOD Size	MOD Series
Mod6	Mod6
Mod12	Mod12
Mod24	Mod24
Mod34	Mod34
Mod50	Mod50
Mod70	Mod70
Mod70H	
Mod 110	Mod110
Mod 110H	
Mod 110SH	Mod110SH
Mod 250/250	Mod250
Mod 250/300	
Mod 250/400	
Mod400 /400	Mod400
Mod400/500	
Mod400/600	
Mod600XB/400	Mod600
Mod600XB/600	
Mod600XB/800	
Mod600XB/1000	
Mod800J/600	Mod800
Mod800J/800	
Mod800J/1000	

Hybrids	
MOD Size	**MOD Series**
Mod400 /110	Mod400
Mod400/110H	
Mod400/250	
Mod 250/70	Mod250
Mod 250/70H	
Mod 250/110	
Mod 250/110H	

Design temperature = 0ºC
Design dynamic factor (DAF)= 1.3 for SWL ≤ 100 tonnes
1.2 for SWL > 100 tonnes
Safe Working Load (SWL): specified in Table 2: Load v Span for whole range of spreader beams in Techdocs DNV nos. 135, 138 and 139.

Application/Limitation

1. All materials are to be delivered with 3.1 certificates, documenting mechanical properties and chemical composition in accordance with the Type Approval documentation, and shall comply with Standard for Certification No. 2.22 "Lifting Appliances" Ch.2 Sec.1.
2. It is the operator's duty to ensure that real dynamic factor does not exceed the design dynamic factor.
3. Wire, shackles and links shall be in accordance with a recognized standard and shall be delivered with the manufacturer's certificate documenting sufficient capacity.

Type Approval documentation

Tests carried out

To obtain a DNV GL product certificate, each spreader beam shall be tested according to DNV's Standard for Certification 2.22 "Lifting Appliances", June 2013, Ch.2 Sec.12.

Marking of product

Each lifting beam shall be marked according to DNV's Standard for Certification No. 2.22 "Lifting Appliances" Ch.2 Sec.12.

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform a survey every second year and before expire date of this certificate to verify that the conditions for the type approval are complied with.

END OF CERTIFICATE