Amendments of the Guidance for Floating Structures

(External Development Review-External Opinion Inquiry)



2024.01. Hull Rule Development Team

Main Amendments

(1) Background of Amendment

- 1) Deleted of Grade 1/2 for fibre rope and amended to apply the breaking test loads for fibre ropes as an industry standard according to Rules Part 4. (ch.8 sec.6)
- (2) Effective date : ships contracted for construction on or after 1 July 2024

		Prese	nt			Note		
;H,	APTER 4 M		G AND ANCHORING,	СН	APTER 4	MOORING ETC.	AND ANCHORING,	
	Section 1	Standard f	or Ship's Facilities		Section 1			
-	Assessment of tota Standard and provis				Assessment of to Standard and prov			
(chains, etc. of whi according to 101. In the anchor chain and 1) ~ (4) (omitted)	ch strength a this case, sa d mass of and etc. of the v .1.3 to Table of	vire rope and fibre rope are to be		The floating struct chains, etc. of whaccording to 101 . It he anchor chain a (1) ~ (4) (same as (5) The specification given in Table (same as present) ble 4.1.5 Kind of fi			
	Kind of fibre rop	De	Filament (material)		Kind of fibre re			
Hemp rope Manila hemp					Hemp rope		Manila hemp	
	Vinylon rope	Grade 1 Grade 2	Vinylon	Synt	Vinylon ro		Vinylon	Deleted of Grade 1/
Synthetic	Polyethylene rope	Grade 1 Grade 2	Polyethylene	Synthetic fil	Polyethylene Polyester r		Polyethylene Polyester	for fibre rope and mended to apply th breaking test loads for
tic fil	Daharatan mu		Dalvastar	fibre r	Polypropylene	e rope	Polypropylene	r fibre ropes as an ndustry standard acco
fibre rope	Polyester rop		Polyester	rope	Polyamide	rope Polyamide		rding to Rules Part (ch.8 sec.6)
	Polypropylene rope	Grade 1 Grade 2	Polypropylene		NOTES) 1. Fibre ropes not i	(en.) sec.)		
	Polyamide ro	pe	Polyamide	-	relevant industry			
					<u>standard(ISO_etc.)</u> JMSA_etc.) which <u>built.</u>			

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2. The requirements of breaking tests load for fibre ropes are to com-

ply with Pt 4, Ch 8, 607. of the Rules.

Present									Amendment										Note	
Table 4.1.6 Breaking test load for fibre ropes (unit : kN)								Table 4.1.6 Breaking test load for fibre ropes (unit : kN) (deleted)												
Diam	Hem p rope(1)	Synthetic fibre rope							Diam	Hem	Synthetic fibre rope									
eter of rope		Vinylon ⁽¹⁾		Polyethylene ⁽²⁾		Polyes	Polypropylene ⁽²		Polyami de ⁽¹⁾	eter- of- rope-	p- rope ^f	Vinylon ⁽¹⁾		Polyethylene ⁽²⁾		Polyes	Polypropylene ⁽²)		Polyami de ⁽¹⁾	
(mm)		Grade 1	Grade 2	Grade 1	Grade 2	ter ⁽¹⁾	Grade 1	Grade 2	-	(mm)	1)	Grade 1	Grade 2	Grade 1	Grade 2	ter ⁽¹⁾	Grade 1	Grade 2		
10 12 14 16 18	7.06 9.90 13.1 16.9 21.0	9.32 13.4 17.9 22.9 28.6	15.7 21.8 28.4 36.3 45.1	9.71 13.9 18.6 23.8 29.7	12.7 17.7 23.5 29.4 37.3	15.6 22.0 29.2 37.5 46.7	10.8 15.7 20.6 26.5 32.4	12.7 17.7 23.5 29.4 37.3	18.1 27.5 36.6 46.9 58.3	10 12 14 16 18	7.06 9.90 13.1 16.9 21.0	9.32 13.4 17.9 22.9 28.6	15.7 21.8 28.4 36.3 45.1	9.71 13.9 18.6 23.8 29.7	12.7 17.7 23.5 29.4 37.3	15.6 22.0 29.2 37.5 46.7	10.8 15.7 20.6 26.5 32.4	12.7 17.7 23.5 29.4 37.3	18.1 27.5 36.6 46.9 58.3	deleted due to decision to fol low industry st andards
				∣ ⟨or	nitted〉									(or	nitted>					
(2)	Breaking	g load at	room te	•	re after	ed condit having b utes		ersed in	warm	_(2) _	Breakin		room te	emperatu	re after	ed condit having b utes		ersed in	warm-	