

## RULES FOR BUILDING AND CLASSING

# BULK CARRIERS FOR SERVICE ON THE GREAT LAKES 2017

**CORRIGENDA/EDITORIALS – 10 April 2017**

**CORRIGENDA/EDITORIALS – 1 March 2018**

Page No.	Paragraph	Comments
<b>Part</b> <b>Chapter</b> <b>Section</b>	<b>3</b> <b>1</b> <b>2</b>	<b>Hull Construction and Equipment</b> <b>General</b> <b>General Requirements</b>
19	3-1-2/Table 1 (metric units)	In column 7 for length 253 m, “1.1,0” to read “11.0”.
20	3-1-2/Table 1 (metric units)	In Note 1, “0.01 in. for each in.” to read “1.0 mm for each 100 mm”.
22	3-1-2/Table 2	Plain thickness values for 25.5, 27.0, 28.5, and 30.0 inches to read “0.52”, “0.54”, “0.56”, and “0.58”, respectively.

<b>Part</b> <b>Chapter</b> <b>Section</b>	<b>3</b> <b>2</b> <b>1</b>	<b>Hull Construction and Equipment</b> <b>Hull Structures and Arrangements</b> <b>Longitudinal Strength</b>
27	3-2-1/3.1.1	In equation for $SM$ , “ $f_v$ ” to read “ $f_p$ ”.
27	3-2-1/3.1.1	In definitions of terms “ $f_v$ ” to read “ $f_p$ ”.
28	3-2-1/3.1.1	In second line of last paragraph, “ $f_v$ ” to read “ $f_p$ ”.
29	3-2-1/3.3.1	In second line of second paragraph, “ $M_{sw}$ ” to read “ $M_s$ ”.
29	3-2-1/3.3.1	In fourth equation for $M_s$ , “3.86L” to read “3.867L”.
29	3-2-1/3.3.1	In definition of $M_s$ , “moment: amidships” to read “moment amidships”.
30	3-2-1/3.3.3	In sixth equation for $C_w$ , “6993” to read “8993”.
30	3-2-1/3.3	Re-number “3.1.4” as “3.3.4”.
30	3-2-1/3.3.4	In equations for $M_{sp}$ , “ $(L/1000)^2$ ” and “ $(L/305)^2$ ” to read “ $(L/1000)^3$ ” and “ $(L/305)^3$ ”, respectively.
31	3-2-1/3.3.4	In definition of $C_{sp}$ , “ $5.06\sqrt{\omega}$ ” to read “ $5.06/\sqrt{\omega}$ ”.
31	3-2-1/3.3.4	In third equation for $C_p$ , “1375” to read “1374”.
31	3-2-1/3.5.1	In definition of $I$ , “about the hull girder section at the section under consideration” to read “of the hull girder section at the section under consideration”.
33	3-2-1/9.3	In definition of $Q$ , “ $70900/Y + 2U/3$ ” to read “ $70900/(Y + 2U/3)$ ”.
33	3-2-1/9.3	In definition of $Q$ , “ $49.92/Y + 2U/3$ ” to read “ $49.92/(Y + 2U/3)$ ”.
33	3-2-1/9.3	In definition of $Y$ , “0,2%” to read “0.2%”.
36	3-2-1/Table 2 (Q = 1.0)	In header, “0.8” to read “0.80”.
36	3-2-1/Table 2 (Q = 1.0)	In row for $L = 500$ ft, value for 0.95 to read “253”.

Page No.	Paragraph	Comments
<b>Part</b> 3	<b>Hull Construction and Equipment</b>	
<b>Chapter</b> 2	<b>Hull Structures and Arrangements</b>	
<b>Section</b> 1	<b>Longitudinal Strength</b>	
37	3-2-1/Table 2 (Q = 0.78)	In header, “0.8” to read “0.80”.
37	3-2-1/Table 2 (Q = 0.78)	In row for $L = 780$ ft, value for 0.85 to read “484”.
38	3-2-1/Table 2 (Q = 0.72)	In header, “0.8” to read “0.80”.
38	3-2-1/Table 2 (Q = 0.72)	In row for $L = 900$ ft, value for 0.85 to read “623”.
39	3-2-1/Table 2 (Q = 1.0)	In header, “0.8” to read “0.80”.
39	3-2-1/Table 2 (Q = 1.0)	In row for $L = 220$ m, value for 1.05 to read “3332”.
40	3-2-1/Table 2 (Q = 0.78)	In header, “0.8” to read “0.80”.
40	3-2-1/Table 2 (Q = 0.78)	In row for $L = 185$ m, value for 0.90 to read “1850”.
40	3-2-1/Table 2 (Q = 0.78)	In row for $L = 215$ m, value for 0.80 to read “2523”.
40	3-2-1/Table 2 (Q = 0.78)	In row for $L = 315$ m, value for 1.05 to read “6023”.
41	3-2-1/Table 2 (Q = 0.72)	In header, “0.8” to read “0.80”.
41	3-2-1/Table 2 (Q = 0.72)	In row for $L = 170$ m, value for 1.00 to read “1449”.
41	3-2-1/Table 2 (Q = 0.72)	In row for $L = 170$ m, value for 1.05 to read “1447”.
41	3-2-1/Table 2 (Q = 0.72)	In row for $L = 230$ m, value for 1.10 to read “2663”.

<b>Part</b> 3	<b>Hull Construction and Equipment</b>	
<b>Chapter</b> 2	<b>Hull Structures and Arrangements</b>	
<b>Section</b> 3	<b>Decks</b>	
45	3-2-3/7	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
46	3-2-3/9.1	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
46	3-2-3/9.7	In equations for $SM$ , to “ $chs\ell^2$ ” read “ $cs\ell^2$ ”.
46	3-2-3/9.7	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
46	3-2-3/9.7	In definitions, “ $l$ ” to read “ $\ell$ ”.

<b>Part</b> 3	<b>Hull Construction and Equipment</b>	
<b>Chapter</b> 2	<b>Hull Structures and Arrangements</b>	
<b>Section</b> 4	<b>Bottom Structure</b>	
50	3-2-4/13.3	In second line, “less than (760 mm)” to read “less than 30 in. (760 mm)”.
50	3-2-4/13.5	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.

Page No.	Paragraph	Comments
<b>Part</b> 3 <b>Chapter</b> 2 <b>Section</b> 5	<b>Hull Construction and Equipment</b> <b>Hull Structures and Arrangements</b> <b>Decks</b>	
52	3-2-5/7	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
53	3-2-5/9	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
53	3-2-5/11.1	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
<b>Part</b> 3 <b>Chapter</b> 2 <b>Section</b> 6	<b>Hull Construction and Equipment</b> <b>Hull Structures and Arrangements</b> <b>Design Pressure</b>	
57	3-2-6/7.3	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
57	3-2-6/7.5.1	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
59	3-2-6/Figure 1 (inch units)	In Note, “0.6 in.” to read “0.06 in.”.
59	3-2-6/Figure 1 (inch units)	In Note, “stiffener spacing, in in.” to read “stiffener spacing, in ft”.
<b>Part</b> 3 <b>Chapter</b> 2 <b>Section</b> 7	<b>Hull Construction and Equipment</b> <b>Hull Structures and Arrangements</b> <b>Tank Boundary Bulkheads</b>	
61	3-2-7/3.3	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
61	3-2-7/3.5.1	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
63	3-2-7/Figure 1 (inch units)	In Note, “stiffener spacing, in in.” to read “stiffener spacing, in ft”.
64	3-2-7/Figure 1 (metric units)	In Note, “stiffener spacing, in in.” to read “stiffener spacing, in m”.
<b>Part</b> 3 <b>Chapter</b> 2 <b>Section</b> 8	<b>Hull Construction and Equipment</b> <b>Hull Structures and Arrangements</b> <b>Superstructures and Deckhouses</b>	
65	3-2-8/1.3	Equations for $SM$ , to read “0.0041csℓ <sup>2</sup> in <sup>3</sup> ” and “7.9csℓ <sup>2</sup> cm <sup>3</sup> ”, respectively.
65	3-2-8/1.3	In definition of $\ell$ , “ft or m” to read “ft (m)”.
66	3-2-8/1.7.2	In equations for $SM$ , to “chsℓ <sup>2</sup> ” read “csℓ <sup>2</sup> ”.
66	3-2-8/1.7.2	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
67	3-2-8/3.1.2	In equations for $SM$ , to “chsℓ <sup>2</sup> ” read “csℓ <sup>2</sup> ”.
67	3-2-8/3.1.2	In equations for $SM$ , “in <sup>2</sup> ” and “cm <sup>2</sup> ” to read “in <sup>3</sup> ” and “cm <sup>3</sup> ”, respectively.
<b>Part</b> 3 <b>Chapter</b> 2 <b>Section</b> 9	<b>Hull Construction and Equipment</b> <b>Hull Structures and Arrangements</b> <b>Protection of Deck Openings</b>	
70	3-2-9/9.1	In third line, “position 2” to read “Position 2”.
<b>Part</b> 3 <b>Chapter</b> 2 <b>Appendix</b> 1	<b>Hull Construction and Equipment</b> <b>Hull Structures and Arrangements</b> <b>Calculation of Shear Stresses</b>	
73	3-2-A1/5	In equation for $SWSF$ , “ $HK_1$ ” to read “ $NK_1$ ”.
73	3-2-A1/5	In definition of $f_s$ , reference “2.2.3” to read “3-2-1/3.5”.
73	3-2-A1/5	In definition of $f_d$ , reference “2.2.3b” to read “3-2-1/3.5.2”.

Page No.	Paragraph	Comments
Part Chapter Section	3 3 1	Hull Construction and Equipment Equipment Anchoring, Mooring and Towing Equipment
78	3-3-1/Table 1 (inch/pound units)	For Equipment Tonnage 7000, 7500, and 8000, value for normal strength steel to read “2 <sup>1</sup> / <sub>8</sub> ”.
78	3-3-1/Table 1 (inch/pound units)	For Equipment Tonnage 8500 and 9000, value for normal strength steel to read “2 <sup>3</sup> / <sub>16</sub> ”.
78	3-3-1/Table 1 (inch/pound units)	For Equipment Tonnage 9500, 10000, and 10750, value for normal strength steel to read “2 <sup>5</sup> / <sub>16</sub> ”.
78	3-3-1/Table 1 (inch/pound units)	For Equipment Tonnage 11500 and 12250, value for normal strength steel to read “2 <sup>3</sup> / <sub>8</sub> ”.