

(Draft)

Amendments of the Rules for the Towing Survey of Barges and Tugboats (For external opinion inquiry)



Sep. 2020

Hull Rule Development Team

- Main Amendments -

(1) Effective date : 1 July 2021 (Contracts for construction are signed on or after 1 July 2021)

- Request from the internal customers (Stability & Tonnage Team)
 - Deleted the requirement of “Load-lines of barges”

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Present	Amendment	Note																										
<p style="text-align: center;">CHAPTER 2 STRUCTURES AND EQUIPMENT</p> <p style="text-align: center;">Section 2 Barges</p> <p>201. ~ 202. <omitted></p> <p>203. Load-lines of barges</p> <p>1. The load-lines in accordance with the requirements in 1966 ILLC is to be indicated in the barges engaged on international voyage.</p> <p>2. In case of the barges engaging in coastal area, the freeboard is determined by the following formula and the method to be indicated is to be in accordance with requirements specified in ILLC article 66. However, if it is impracticable or unreasonable, the method to be indicated may be specially considered.</p> $F = \frac{10(0.68 + C_b)K}{1.36}$ <p>F : freeboard (mm) C_b : block coefficient, however, it is not to be less than 0.68 K : the value obtained form the following table</p> <table border="1" data-bbox="103 976 969 1331"> <thead> <tr> <th colspan="2">Type of barges</th> <th>K</th> </tr> </thead> <tbody> <tr> <td rowspan="2">$L < 50$ m</td> <td>Cargo barges</td> <td>$0.8 L$</td> </tr> <tr> <td>Oil barges</td> <td>$0.5 L$</td> </tr> <tr> <td rowspan="2">$L \geq 50$ m</td> <td>Cargo barges</td> <td>$\left(\frac{L}{10}\right)^2 + \left(\frac{L}{10}\right) + 10$</td> </tr> <tr> <td>Oil barges</td> <td>$0.8\left(\frac{L}{10}\right)^2 + \left(\frac{L}{10}\right)$</td> </tr> </tbody> </table> <p>(Note) L : Length of barges (m)</p> <p><newly added></p> <p><omitted></p>	Type of barges		K	$L < 50$ m	Cargo barges	$0.8 L$	Oil barges	$0.5 L$	$L \geq 50$ m	Cargo barges	$\left(\frac{L}{10}\right)^2 + \left(\frac{L}{10}\right) + 10$	Oil barges	$0.8\left(\frac{L}{10}\right)^2 + \left(\frac{L}{10}\right)$	<p style="text-align: center;">CHAPTER 2 STRUCTURES AND EQUIPMENT</p> <p style="text-align: center;">Section 2 Barges</p> <p>201. ~ 202. <same as the current Rules></p> <p>203. Load-lines of barges</p> <p>1. The load-lines in accordance with the requirements in 1966 ILLC is to be indicated in the barges engaged on international voyage.</p> <p>2. In case of the barges engaging in coastal area, the freeboard is determined by the following formula and the method to be indicated is to be in accordance with requirements specified in ILLC article 66. However, if it is impracticable or unreasonable, the method to be indicated may be specially considered.</p> $F = \frac{10(0.68 + C_b)K}{1.36}$ <p>F : freeboard (mm) C_b : block coefficient, however, it is not to be less than 0.68 K : the value obtained form the following table</p> <table border="1" data-bbox="1010 976 1877 1331"> <thead> <tr> <th colspan="2">Type of barges</th> <th>K</th> </tr> </thead> <tbody> <tr> <td rowspan="2">$L < 50$ m</td> <td>Cargo barges</td> <td>$0.8 L$</td> </tr> <tr> <td>Oil barges</td> <td>$0.5 L$</td> </tr> <tr> <td rowspan="2">$L \geq 50$ m</td> <td>Cargo barges</td> <td>$\left(\frac{L}{10}\right)^2 + \left(\frac{L}{10}\right) + 10$</td> </tr> <tr> <td>Oil barges</td> <td>$0.8\left(\frac{L}{10}\right)^2 + \left(\frac{L}{10}\right)$</td> </tr> </tbody> </table> <p>(Note) L : Length of barges (m)</p> <p>1. The requirements of each relevant Administration are to be followed. (2021)</p> <p><same as the current Rules></p>	Type of barges		K	$L < 50$ m	Cargo barges	$0.8 L$	Oil barges	$0.5 L$	$L \geq 50$ m	Cargo barges	$\left(\frac{L}{10}\right)^2 + \left(\frac{L}{10}\right) + 10$	Oil barges	$0.8\left(\frac{L}{10}\right)^2 + \left(\frac{L}{10}\right)$	<p>- At the request of Stability & Tonnage Team (STL4200-332-2020) on 29th Jan. 2020</p> <p>- In case of 203. 2, only Article 18, Ch 3 of 「Standard for Load-line of Ships」 was borrowed, and the contents of Articles 19 and 20 were omitted.</p> <p>- In addition, as the requirements are reviewed according to the laws of each government, it is deemed that there is no need for separate requirements in the rules.</p>
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