
GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part L **Equipment**

GUIDANCE

2015 AMENDMENT NO.2

Notice No.82 25th December 2015
Resolved by Technical Committee on 28th July 2015

AMENDMENT TO THE GUIDANCE FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

“Guidance for the survey and construction of steel ships” has been partly amended as follows:

Part L EQUIPMENT

L2 ANCHORS

L2.1 Anchors

Paragraph L2.1.11 has been amended as follows.

L2.1.11 Visual Inspections and Non-destructive Tests

1 A visual inspection is to be carried out on all visible surfaces of the anchor.

2 The testing procedures and acceptable criteria of the magnetic particle testing are as follows:

(1) Testing procedures are to conform to *ISO 9934-1*(~~2001~~), *ISO 9934-2*(~~2002~~), *ISO 9934-3*(~~2002~~), *JIS Z 2320-1*(~~2007~~), *JIS Z 2320-2*(~~2007~~), *JIS Z 2320-3*(~~2007~~) or their equivalent thereto;
The aforementioned standards, in principle, refer to the most recent version published.

(2) Acceptable criteria are to be in accordance with **Table L2.1.11-1** or **Table L2.1.11-2** in the case of cast anchors or rolled steel fabricated anchors respectively.

3 The testing procedures and acceptable criteria of penetrant testing are as follows:

(1) Testing procedures are to conform to *ISO 3452-1*(~~2008~~), *ISO 3452-2*(~~2006~~), *ISO 3452-3*(~~1998~~), *ISO 3452-4*(~~1998~~), *JIS Z 2343-1*(~~2001~~), *JIS Z 2343-2*(~~2009~~), *JIS Z 2343-3*(~~2001~~), *JIS Z 2343-4*(~~2001~~) or their equivalent thereto;
The aforementioned standards, in principle, refer to the most recent version published.

(2) Acceptable criteria are to be in accordance with those in **-2(2)** above.

4 The testing procedures and acceptable criteria of ultrasonic testing are as follows:

(1) The ultrasonic flaw detector is, in principle, to be of a reflection type with a frequency range of 1 ~ 5MHz;

(2) The conditions of ultrasonic testing are, as a standard, to be those specified in the following **Table L2.1.11-3**; and

(3) Anchors are acceptable where bottom echoes are detected and flaw echoes cannot be detected. In cases where indications are detected, the Surveyors make the decision, judging generally from the results of tests using different frequencies or different probes as well as the results of the surface inspections specified in above **-1** to **-3**, except in those cases where the cause is the configuration of the product.

5 Qualification of Operator:

Operators are to have Level 2 qualification or above, and such qualifications are to be certified by a certification body deemed appropriate by the Society, e.g. The Japanese Society for Non-destructive Inspection, in accordance with *ISO 9712*(~~2005~~), *JIS Z 2305*(~~2001~~) or the equivalent thereto. Notwithstanding the above, operators having Level 1 qualification can perform the procedures under the supervision of another operator having Level 2 qualification or above. The aforementioned standards, in principle, refer to the most recent version published.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 25 December 2015.
2. Notwithstanding the amendments to the Guidance, the current requirements may apply to Non-destructive Tests other than those for which the application for approval is submitted to the Society on or after the effective date.