**IS :\_\_\_\_\_**

 **/ ISO 21487:2012**

 **Doc No. : TED 18 (12121) P**

**For Comments Only**

*भारतीय मानक* मसौदा

छोटी नौका- स्थायी संस्थापित पेट्रोल एवं डीजल ईंधन टैंक

(आई एस ओ 21487:2012 का अधिग्रहण)

Draft *Indian Standard*

**Small craft – Permanently installed petrol and diesel fuel tanks**

(Adoption of ISO 21487:2012)

ICS 47.080

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­­­­­­­­­­­­­­­­­­­­­­**

**Not to be reproduced without permission Last date for receipt**

**of BIS or used as STANDARD of comments 27 November 2017**

**NATIONAL FOREWORD**

This draft Indian Standard which is identical with ISO 21487:2012 ‘Small craft – Permanently installed petrol and diesel fuel tanks’ issued by the International Organization for Standardization (ISO), shall be considered for adoption by the Bureau of Indian Standards, on the recommendation of the Inland Harbour Crafts and Fishing Vessels Sectional Committee and after approval of the Transport Engineering Divisional Council.

The text of ISO Standard has been proposed to be approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

1. Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
2. Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to the following International Standard for which Indian Standard also exists. The corresponding Indian Standard which is to be substituted in its place is listed below along with its degree of equivalence for the edition indicated:

|  |  |  |
| --- | --- | --- |
| ***International Standard***  | ***Corresponding*** ***Indian Standard***  | ***Degree of Equivalence*** |
| ISO 1817 Rubber, vulcanized or thermoplastic — Determination of the effect of liquids | IS 3400 (Part 6) :2012 Methods of test for vulcanized rubbers Part 6 Determination of the effect of liquids | Identical with ISO 1817:2011 |

The technical committee responsible for the preparation of this standard has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

|  |  |
| --- | --- |
| ***International Standard*** | ***Title*** |
| ISO 10088 | Small craft — Permanently installed fuel systems |
| ISO 11192 | Small craft — Graphical symbols |
| ISO 12215-5 | Small craft — Hull construction and scantlings — Part 5:Design pressures for monohulls, design stresses, scantlings determination  |
| ISO 12215-6 | Small craft — Hull construction and scantlings — Part 6: Structural arrangements and details |
| ISO 5817 | Welding — Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) — Quality levels for imperfections |

Technical Amendments 1 and 2 published in 2014 and 2015 respectively to the above International Standard has been given at the end of this publication.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

This draft standard also makes a reference to the BIS Certification Marking of the product. Details of which are given in National Annex A.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 1960 ‘Rules for rounding off numerical values (*revised*)’.

**National Annex A**

(*National Foreword*)

**A-1 BIS CERTIFICATION MARKING**

The product may also be marked with the Standard Mark.

**A-1.1** The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act,* 1986 and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Note:** The technical content of the document has not been enclosed as this is identical with the corresponding ISO standard. For details, please refer the corresponding ISO 21487: 2012 or kindly contact:

Scientist ‘E’ and Head

Transport Engineering Department

Bureau of Indian Standards

9 Bahadur Shah Zafar Marg

New Delhi 110002

Email: ted@bis.org.in, hted@bis.org.in

Telefax: 011 23236311