INTERNATIONAL STANDARD

ISO 91-1

Second edition 1992-11-15

Petroleum measurement tables —

Part 1: Tables based on reference temperatures of 15 °C and 60 °F

Tables de mesure du pétrole —

Partie 1: Tables basées sur les températures de référence de 15 °C et 60 °F



Reference number ISO 91-1:1992(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each memoer body interested in a subject for which a technical committee has open established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with 180, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical statistication.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote. 0

International Standard ISO 91-1 was prepared by Technical Committee ISO/TC 28, Petroleum products and lubricants, Sub-Conmittee SC 3, Static petroleum measurement.

This second edition cancels and replaces edition the (ISO 91-1:1982), of which it constitutes a technical revision.

ISO 91 consists of the following parts, under the general title F measurement tables:

- Part 1: Tables based on reference temperatures of 15 °C and degrees F
- Part 2: Tables based on a reference temperature of 20 °C

tated by EV-Annex A forms an integral part of this part of ISO 91. Annex B is for information only.

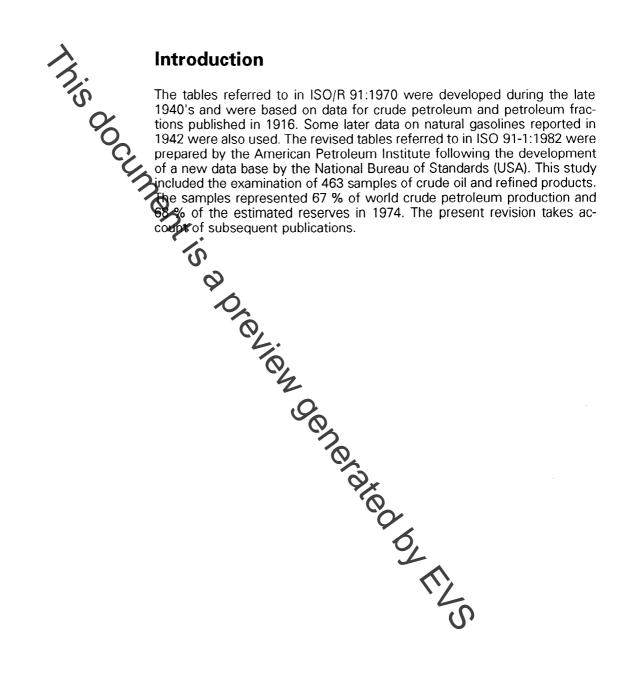
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Petroleum measurement tables —

Part 1: 7. Tables based on reference temperatures of 15 °C and 60 °F

1 Scope

This part of ISO 91 refers to petroleum measurement tables based on reference temperatures of 15 °C and 60 °F.

The standard reference temperature for petroleum measurement adopted in ISO 5024 ^[4] is 15 °C, and should be used for international trade. However, it is recognized that its use is not yet universally accepted and references to tables based on 60 °F have therefore been included in this part of ISO 91 and tables based on 20 °C are covered in ISO 91-2^[1].

2 Normative references

The tables that form the basis of this part of ISO 91 contain printing errors which are identified in other documents listed below. These subsidiary documents constitute, through reference in the text, an integral part of this part of ISO 91.

API Standard 2540, Manual of petroleum measurement standards, Chapter 11.1 — Volume correction factors:

Volumes I to X, 1980;¹⁾

Volumes XIII and XIV, 1982.1)

API Document, *Editorial amplification of volume X* — *Background, development, and computer documentation,* American Petroleum Institute, Washington DC, 1980.

API Document, *Errata sheet to tables 23B and 53B*, American Petroleum Institute, Washington DC, 1981.

API Document, *The use of the petroleum measure*ment tables — API STD. 2540 (CH. 11.1), ASTM D 250 and IP 200 (1980), American Petroleum Institate, Washington DC, 1984 (revised June 1987).

ASTROD 1250, Petroleum measurement tables:

olumes I to X, 1980;¹⁾

Volume XXXII, 1982.1

ASTM-IP-API, Outroleum measurement tables for light hydrocarbon liquids, density range 0.500 to 0.653 kg/litre at 15 °C, published for the Institute of Petroleum by John Wiley and Sons, 1986.²⁾

IP Petroleum Measurement, Paper No. 2, *Guidelines for users of the petroleum measurement tables (API STD. 2540; IP 200; ANSI/ASTM D 1250)*, the Institute of Petroleum, London, 1984.³⁾

¹⁾ All volumes may be purchased from the publishers, the American Petroleum Institute, c/o Publication and Distribution Section, 120 L Street NW, Washington DC 20005, USA, or from the American Society for Testing and Materials, 1912 Race Street, Philadelphia, Pa 19103, USA. The names of local suppliers may be obtained from national standards organizations. The tables are also available on microfiche and the computer sub-routine as magnetic tape or as FORTRAN card decks.

²⁾ This publication may be purchased from John Wiley and Sons Ltd, Distribution Centre, Shripney Road, Bognor Regis, West Sussex PO22 9SA, UK, or from a local bookseller.

³⁾ This publication may be purchased from the Institute of Petroleum, 61 New Cavendish Street, London W1M 8AR, UK.