

INTERNATIONAL STANDARD

ISO
91-1

Second edition
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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*



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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 member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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.

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

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

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

- *Part 1: Tables based on reference temperatures of 15 °C and 60 degrees F*
- *Part 2: Tables based on a reference temperature of 20 °C*

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

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Introduction

The tables referred to in ISO/R 91:1970 were developed during the late 1940's and were based on data for crude petroleum and petroleum fractions published in 1916. Some later data on natural gasolines reported in 1942 were also used. The revised tables referred to in ISO 91-1:1982 were prepared by the American Petroleum Institute following the development of a new data base by the National Bureau of Standards (USA). This study included the examination of 463 samples of crude oil and refined products. The samples represented 67 % of world crude petroleum production and 68 % of the estimated reserves in 1974. The present revision takes account of subsequent publications.

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