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Petroleum Measurement Tables (ASTM D 1250).pdf

An American National Standard



Designation: D 1250 – 04

Designation: 200/04

Standard Guide for Use of the Petroleum Measurement Tables¹

This standard is issued under the fixed designation D 12:0; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense

INTRODUCTION

This guide discusses the use of temperature and pressure volume correction factors for generalized crude oils, refined products, and lubricating oils, developed jointly by ASTM International, the American Petroleum Institute (API) and the Energy Institute.²

The volume correction factors, in their basic form, are the output of a set of equations derived from, and based on, empirical data relating to the volumetric change of hydrocarbons over a range of temperatures and pressures. Traditionally, the factors have been listed in tabular format called the Petroleum Measurement Tables (hence the appearance of this term in the title), and published as an API Standard/Adjunct to IP 200/Adjunct to ASTM D 1250. However, since the 1980 revision the actual standard has been a set of implementation procedures, not printed tables nor simply a set of equations.

This revised standard, API MPMS Chapter 11.1–2004/Adjunct to IP 200/04/Adjunct to ASTM D 1250–04 (ADJD1250CD), establishes procedures for crude oils, liquid refined products, and lubricating oils, by which volume measurements taken at any temperature and pressure (within the range of the standard) can be corrected to an equivalent volume at base/standard conditions, normally 15°C, 60°F or 20°C, by use of a volume correction factor (VCF). The standard, API MPMS Chapter 11.1–2004/Adjunct to IP 200/04/Adjunct to ASTM D 1250–04 (ADJD1250CD), also provides methods for making conversions to alternate conditions from base conditions and to alternate base temperatures. Densities can be corrected by using the inverse of the VCF.

See Section 5 for a list of significant changes from Guide D 1250-80 (provided in its entirety in Annex A1).

USAGE GUIDELINES

The revised standard, API MPMS Chapter 11.1–2004/Adjunct to IP 200/04/Adjunct to ASTM D 1250–04 (ADJD1250CD), is effective upon the date of publication and supersedes the previous edition of the standard/adjunct(s). However, due to the nature of the changes in the revised standard/adjunct(s), it is recognized that guidance concerning an implementation period may be needed in order to avoid disruptions within the industry and ensure proper application. As a result, it is recommended that the revised standard/adjunct(s) be used on all new applications no later than two years after the publication date (May 2004). An application for this purpose is defined as the point where the calculation is applied.

Once the revised standard/adjunct(s) is implemented in a particular application, the previous standard will no longer be used in that application.

If an existing application complies with the previous standard/adjunct(s) (as referenced in Annex A1), then it shall be considered in compliance with the revised standard/adjunct(s).

However, the use of the API MPMS Chapter 11.1–2004/Adjunct to IP 200/04/Adjunct to ASTM D 1250–04 (ADJD 1250CD) remains voluntary, and the decision on when to utilize a standard is an issue that is subject to the negotiations between the parties involved in the transaction.

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Petroleum measurement tables by American Society for Testing and Materials., ... incorporated into API's Manual of petroleum measurement standards. ... editions of the petroleum measurement Tables ANSI/ASTM D 1250, Petroleum Measurement Tables, is based on ASTM D1250 – 08 ... D1250–04 (ADJD1250-E-PDF), establishes procedures for crude oils, liquid refined products, Petroleum measurement tables : volume correction factors; ASTM 1250-80; ASTM Designation: D 1250; API Standard: 2540; IP Designation: 200 / prepared D1250 - 08 Standard Guide for Use of the Petroleum Measurement Tables , crude oil, density correction, lubricants, lubricating oils, Petroleum Measurement Tables, petroleum products, volume correction, volume ... Format, Pages, Price. PDF This part of ISO 91 refers to petroleum measurement ... API Standard 2540, Manual of petroleum measure- ... ASTM D 1250, Petroleum measurement tables... Petroleum Laboratory Density Meter to meet ASTM standard D-1250, Accurate measurement of API Gravity at various temperatures with on-board Features & Tables. ... Of all these measurements, density has become one of the most important and ... menus intuitive and easy to do without the need for studying the manual.. API Manual of Petroleum Measurement Standards (MPMS): 4.3 Table 2 ... GUIDE FOR PETROLEUM MEASUREMENT TABLES [ASTM D 1250-80, API MPMS D1250-19 Standard Guide for the Use of the Joint API and ASTM Adjunct for Temperature and ... correction factor~ volume correction factor~ petroleum measurement tables~ ... ADJD1250-E-PDF - PDF download, \$281.00, ADD TO CART.. ASTM D 1250-08 Standard Guide for Use of the Petroleum Measurement Tables.pdf - Free download as PDF File (.pdf), Text File (.txt) or read Hi Anyone having ASTM D1250 - 08 Standard Guide for Use of the ... of API Gravity at 60 °F Adjunct to; ASTM D1250-08 and IP 200:08.pdf.. ASTM D1250 ADJ V7 : Standard Guide for Petroleum Measurement Tables Petroleum Measurement Tables Volume Correction Factors Volume VII Table 53A ASTM-IP petroleum measurement tables : ASTM designation D1250, Find in a library · Download this page (PDF) · Download left page See Section 5 for a list of signi?cant changes from Guide D 1250-80 (provided ... 2.1 API Standards: API Manual of Petroleum Measurement Standards (MPMS): ... GUIDE FOR PETROLEUM MEASUREMENT TABLES [ASTM D 1250-80, API Calculated VCF. ASTM D1250, IP 200 - Report on the Development, Construction, Calculation, and Preparation of the ASTM-IP Petroleum Measurement Tables Adjunct to: ASTM D 1250-04 and IP 200/04 ... CPL, and CTPL) may be used as specified in other API Manual of Petroleum Measurement Standards (MPMS) ... this Standard will give CTL (VCF) values consistent with the 1980 Tables. The This West Conshohocken, PA 19428, USA, pursuant to license with ASTM International. Reference ... Manual of Petroleum Measurement Standards (MPMS), Chapter 9.1. Standard ... D1250 Guide for Petroleum Measurement Tables (API MPMS.. ASTM D1250-04 for PC. Temperature ... Manual of Petroleum Measurement Standards Chapter 11 ... The format of these tables is that of the historical Petroleum.. of crude oil, using SAP software and the standard ASTM D 1250-04 ... a 2004 version of the Manual of Petroleum Measurement Standards (MPMS) ... The 1980 Petroleum Measurement Tables were based upon data obtained Petroleum Measurement Tables. (ASTM D 1250) for Pocket PC. Overview. ASTM 1250 for Pocket PC brings hundreds of pages of the Petroleum Measurement 82437142 Astm d1250 Petroleum Measurement Tables - Free download as PDF File (.pdf), Text File (.txt) or read online for free. hello. 54ea0fc042

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