
Description: An increasing variety of petroleum feedstocks has produced an ever diversifying series of changes in petroleum products. Consequently, new analytical techniques are constantly being developed in order to determine the appropriate applications for these new products and how these products might meet specifications. The Handbook of Petroleum Product Analysis Second Edition provides detailed explanations of the necessary standard tests and procedures that are applicable to these products in order to determine the predictability of their behavior.

This book also describes the application of methods for determining the instability and incompatibility of petroleum products. More importantly, the Handbook provides details of the meaning of various test results and how they might be applied to predict product behavior. Written in a readable style that makes the book easy to use, the Handbook explains the reason for using various testing methods, making a case for standardizing protocols. Chapters include:

Gases
Naphtha and Solvents
Aviation and Marine Fuel
Kerosene
Distillate Fuel Oil
Residual Fuel Oil
White Oil
Lubricating Oil (including used oil)
Residua and Asphalt
Coker, Carbon Black, and Graphite

Now in its Second edition, the Handbook has been rewritten to include new and evolving test methods and includes test methods for various environmental regulations related to petroleum products. Chemists and engineers in the refining industry, as well as students, will find Dr. Speight's Handbook to be an accessible, invaluable guide to understanding the methods for analyzing petroleum products.

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