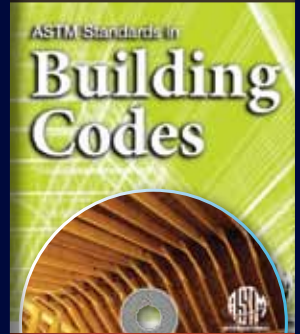


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## Paint and Coating Testing Manual

15<sup>th</sup> Edition of the Gardner-Sward Handbook



## Spectroscopic Analysis of Petroleum Products and Lubricants

R.S. Thomas, Editor

## Quality Control of Soil Compaction Using ASTM Standards

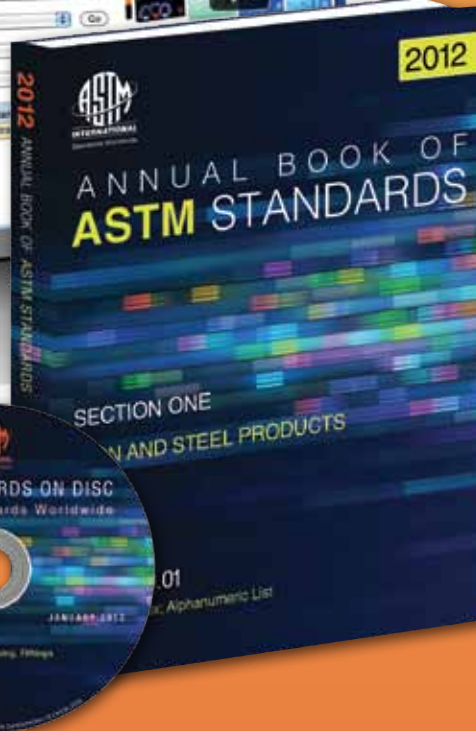


### ASTM Soil Compaction Standards

A Comparison CD to Manual 70



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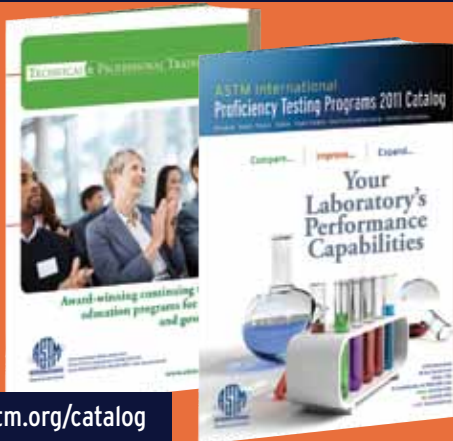
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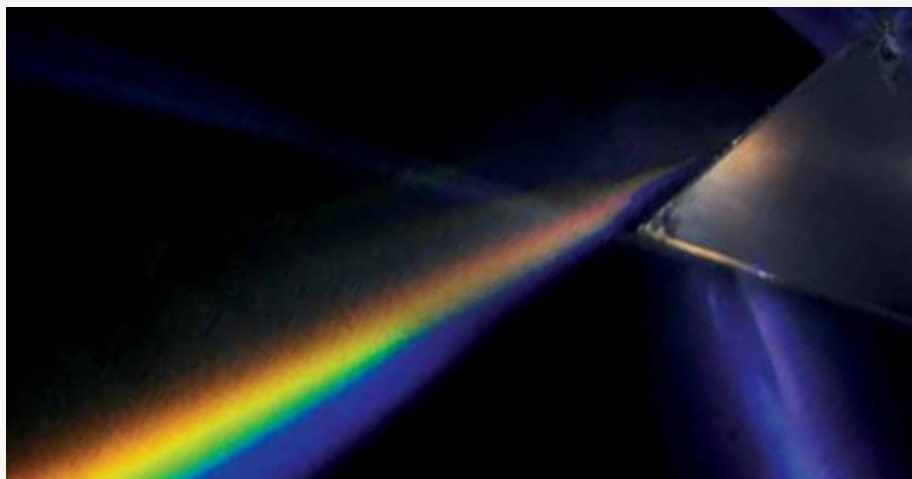
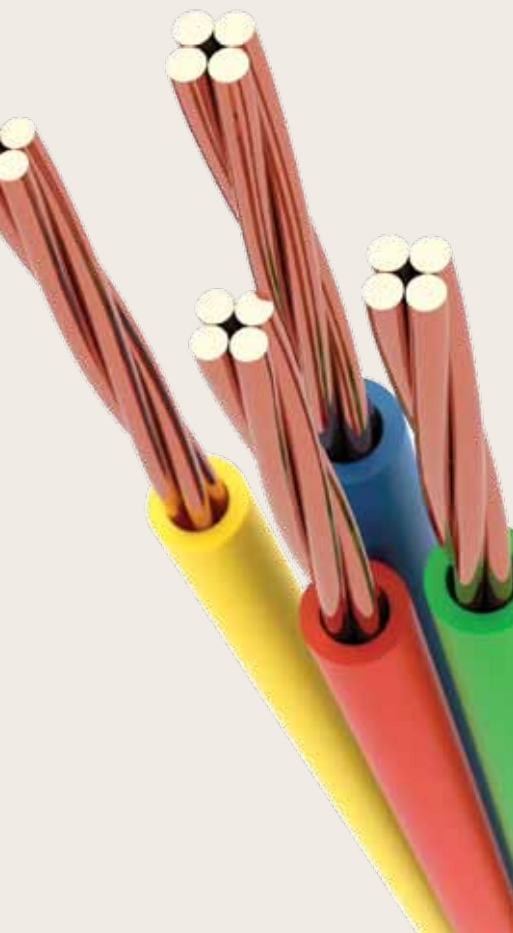
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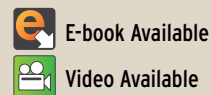
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Manual 67



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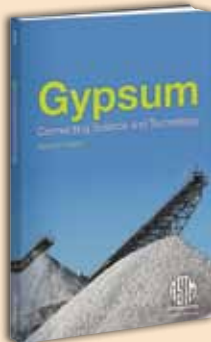
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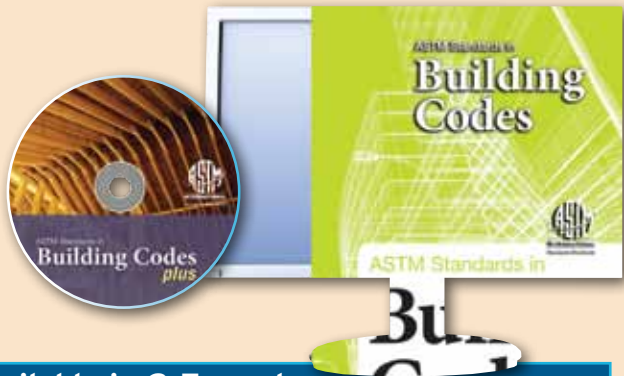
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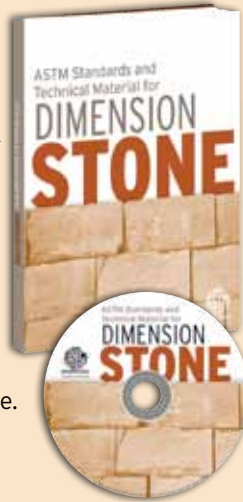
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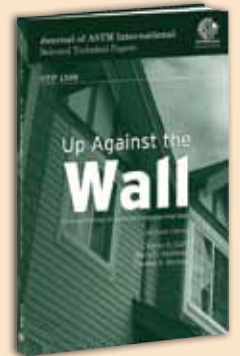
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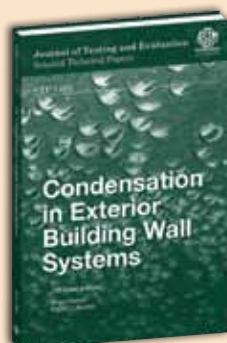
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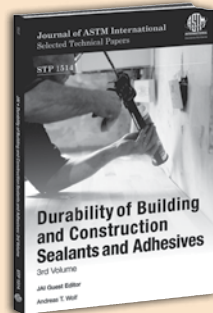
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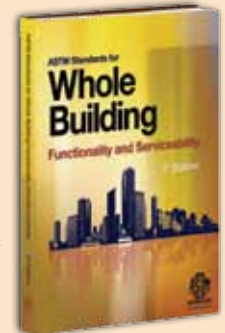
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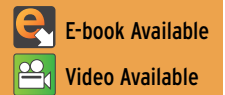
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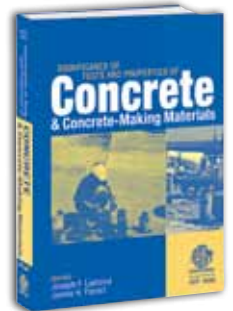
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Manual 49

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**Authors: D.G. Daniel, C.L. Lobo**

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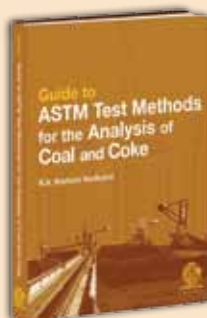
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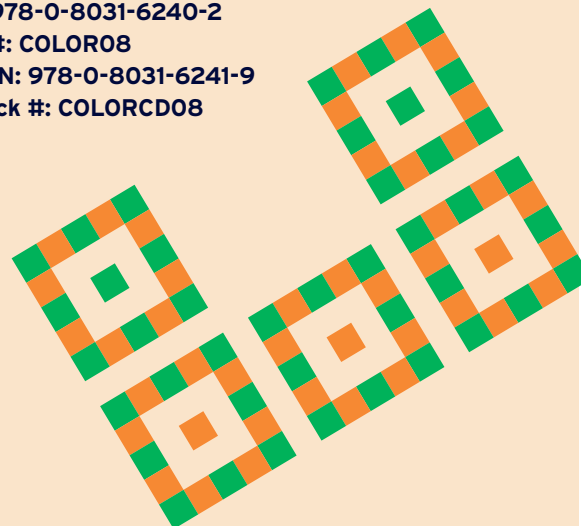
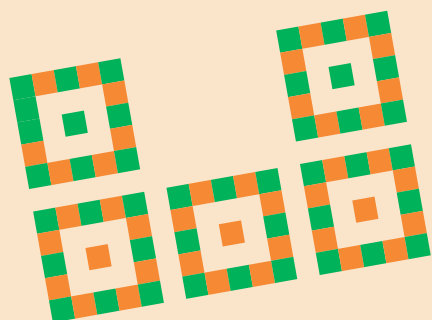
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Authors: D. Knotkova, K. Kreislova,  
S.W. Dean



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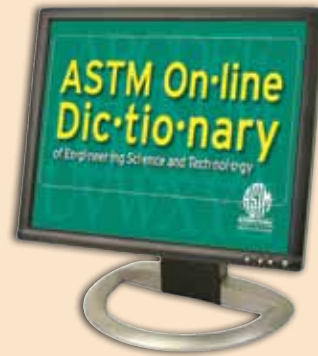
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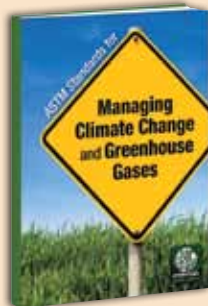


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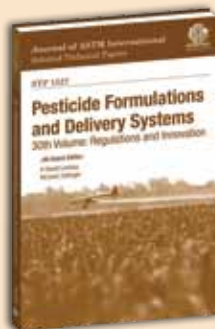
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Authors: Z. Hejzlar, J.R. Worlund

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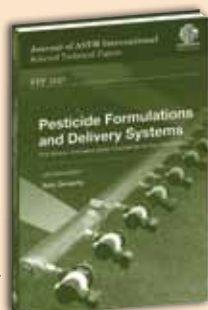
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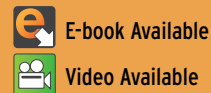
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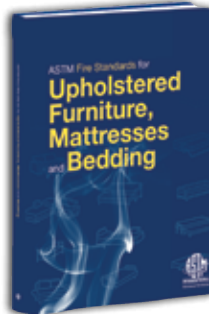
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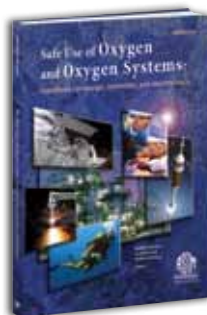


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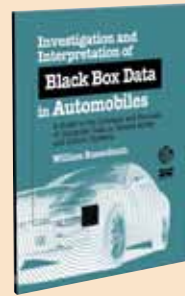
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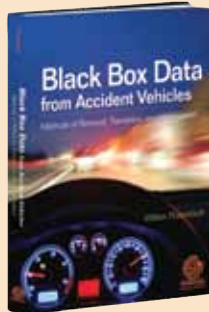
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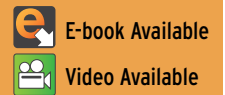
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## FRACTURE and FATIGUE

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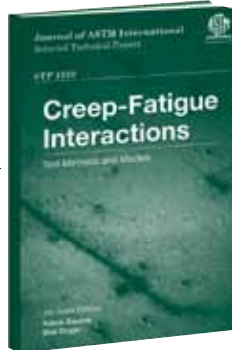
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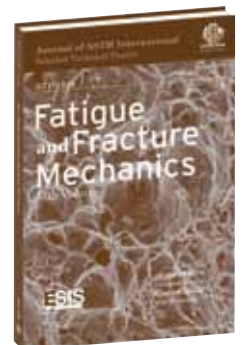
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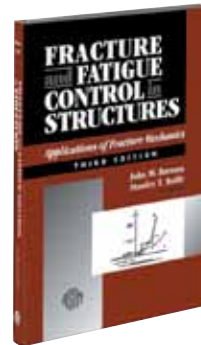
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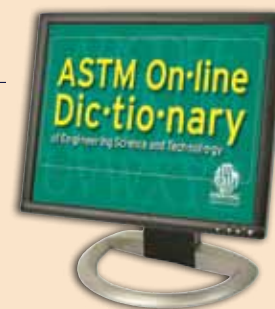


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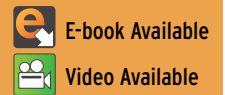
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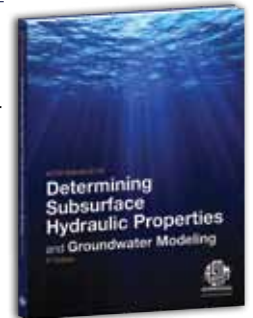
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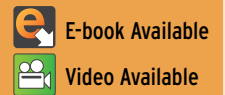
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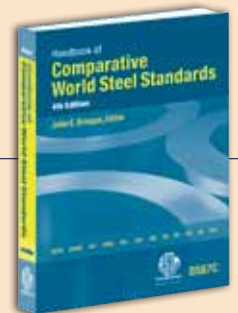
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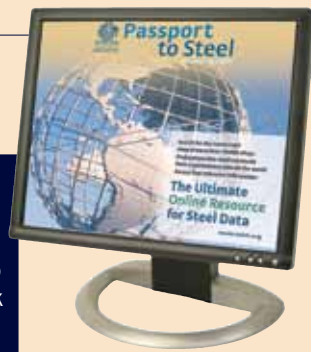
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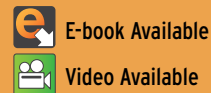
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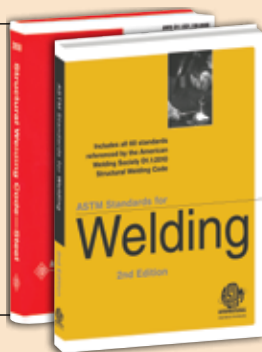
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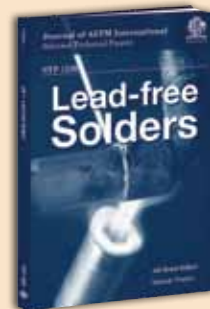
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STP 1524

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JAI Guest Editor: J.M. Beswick

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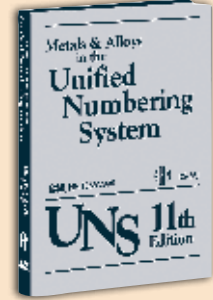
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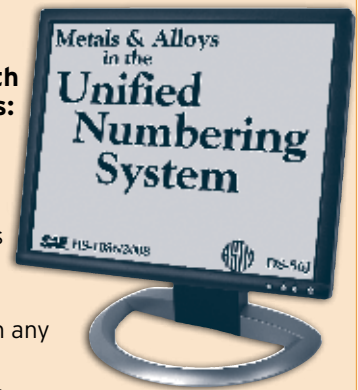
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Disk three includes graded series of Scattered Shrinkage Cavity for all three thicknesses as well as graded series of Shrinkage Cavity illustrated for 1/2 inch and 3/4 inch material.

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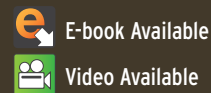
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Disk one includes the install program, the ungraded plate of Discrete Discontinuities graded series for Foreign Material Less Dense in three thicknesses (1/8 inch, 3/8 inch, and 3/4 inch), and graded series of Gas Holes for 1/8 and 3/8 inch.

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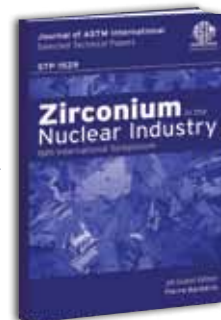
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Manual 17

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Editor: J.V. Koleske



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- Specific product testing
- Analysis of paint and paint defects
- Instrumental analysis
- Specifications
- New coating technologies

This edition is a valuable guide to the topics, test methods, procedures, and standards of ASTM and other national and international organizations.

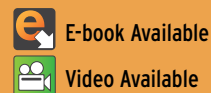
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*"Having been in the coatings industry for over 30 years, I know how useful the Gardner-Sward Manual can be. For years I have relied on the 14th edition of this fine book to answer many of my paint-testing questions, but a lot has changed in the industry since it was published in 1995. I know a lot of hard work has gone into preparing the new and updated 15th edition, and I am really looking forward to it."*

Dwight Weldon,  
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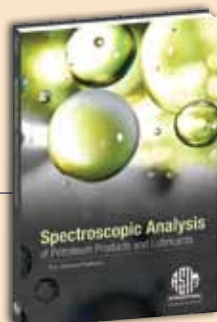
Monograph 9



### Spectroscopic Analysis of Petroleum Products and Lubricants

Editor: R.A. Kishore Nadkarni

The only book available that describes both theory and applicability of numerous spectroscopic techniques used in oil industry laboratories.



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Manual 68

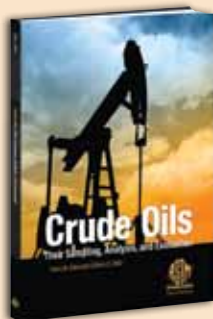


### Crude Oils: Their Sampling, Analysis, and Evaluation

Authors: H.N. Giles, C.O. Mills

This one-of-a kind, comprehensive manual covers a combination of subject materials related to crude oil sampling, quality determination, and evaluation.

It provides an assessment of which test to use when several options exist and offers a broad scope of information at a level that can be understood by technical and non-technical personnel.



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Manual 5

## Aviation Fuel Quality Control Procedures 4th Edition



Editor: J. Gammon

This edition, extensively updated, provides a complete explanation of **33** common procedures used by fuel handlers to assess and protect aviation fuel quality.

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- Rewritten API gravity section now includes the latest information on metric density
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- Revised micro-separometer section
- New and vitally important section on flushing new aviation fuel hoses
- Updated filtration equipment section reflects changes in the industry regarding the API/IP/EI filtration standards
- Completely rewritten section on microbial contamination detection reflects the changes in the oil company and airline industry standards, changes in test equipment, and aircraft maintenance practices
- And much more!

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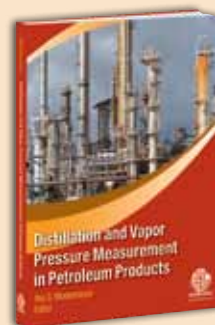
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Manual 51

## Distillation and Vapor Pressure Measurement in Petroleum Products



Author: R.G. Montemayor

This ASTM manual deals with practical information regarding the practice of distillation and vapor pressure measurement of petroleum products, as well as the significance of distillation and vapor pressure data in various petroleum products

**Twelve** comprehensive chapters cover:

- Introduction and brief historical background
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- Vapor pressure measurement
- Online measurement of distillation and vapor pressure
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**116 Pages (2008); Soft Cover: 8.5" x 11"**

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## Second Printing!



Manual 50

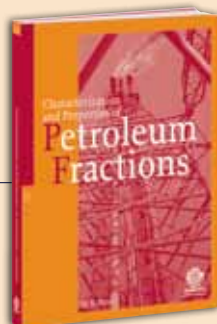
## Characterization and Properties of Petroleum Fractions

Author: M.R. Riazi

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Manual 37

### **Fuels and Lubricants Handbook: Technology, Properties, Performance and Testing**

Editor: G. E. Totten

Section Editors: S. R. Westbrook, R. J. Shah

Manual 37 is a comprehensive, in-depth, well-referenced handbook that includes a detailed overview of ALL of the important ASTM and non-ASTM fuels and lubricants test procedures. **Thirty-eight** chapters provide a thorough overview of the application-related properties being tested and an extensive discussion of the principles behind the tests and their relationship to the properties themselves.

**1,087 Pages (2003); Hard Cover: 8.5" x 11"; Price: \$325**  
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### **Second Printing!**

Manual 59

### **A Comprehensive Review of Lubricant Chemistry, Technology, Selection, and Design**

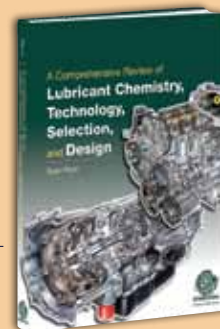


Author: S.Q.A. Rizvi

This unique ASTM manual is written from the perspectives of both chemists and lubrication engineers, and therefore places equal emphasis on the chemistry and the formulation of lubricants. It includes additive technology used in petroleum exploration, refining, and fuels.

Manual 59 complements ASTM's Manual 37 (see column to left) by integrating useful information to lubrication engineers.

**657 Pages (2009); Hard Cover: 8.5" x 11"; Price: \$197**  
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Monograph 7



### **Physics and Chemistry of Micro-Nanotribology**

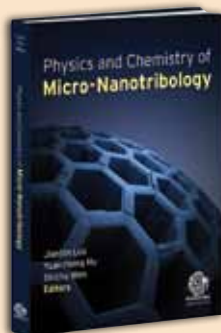
Editors: J. Luo, Y. Hu, S. Wen

Monograph 7 presents the principles and applications of tribology in micro-nano-scale and discusses some of the challenges faced by tribologists since the development of new manufacturing techniques for electronic products.

Topics include:

- Experimental methods and measure techniques
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**280 Pages (2008); Soft Cover: 8.5" x 11"; Price: \$117**  
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Adjunct D130

### **Copper Strip Corrosion Standard for Petroleum**

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**New Edition!**



Manual 1

## Significance of Tests for Petroleum Products: 8th Edition

Editor: S.J. Rand

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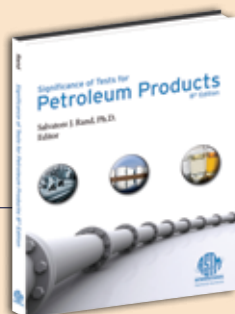
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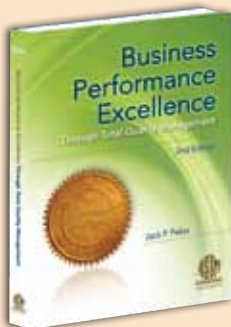
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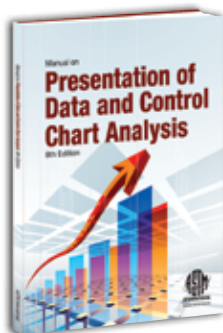


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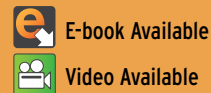
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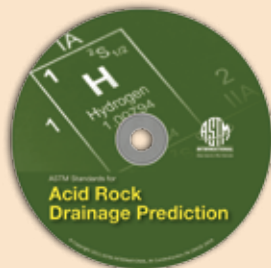
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