ASTM VISCOSITY TABLES

FOR

KINEMATIC VISCOSITY CONVERSIONS

AND VISCOSITY INDEX CALCULATIONS

STP 43 C

AMERICAN SOCIETY FOR TESTING AND MATERIALS
NOTE

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Foreword

This publication provides a convenient and compact reference and set of tables for the two most frequently used ASTM viscosity methods,

D 2161–66(1971)—ASTM Standard Method for Conversion of Kinematic Viscosity to Saybolt Universal Viscosity or to Saybolt Furol Viscosity

D 2270–64(1968)—ASTM Standard Methods for Calculating Viscosity Index from Kinematic Viscosity

These standard methods are under the jurisdiction of Research and Development Division VII on Flow Properties of ASTM Committee D-2 on Petroleum Products and Lubricants.

It should be pointed out that ASTM Test for Saybolt Viscosity (D 88–56 (1968)) is no longer sponsored by Research and Development Division VII of ASTM Committee D-2. Saybolt viscosity is no longer recommended for use in specifying lubricants and working fluids. This is consistent with a current worldwide trend to abandon the use of empirical viscosity expressions for such uses. The sponsorship of D 88 has been assumed by ASTM Committee D-4 on Road and Paving Materials.

The need will still exist, for some time, for conversion methods between kinematic and Saybolt viscosities. For this reason, ASTM D 2161 for Saybolt viscosity conversion will be retained and is included here. The reader who might have an interest in conversions to other viscosity units should refer to the Appendixes.