

ASTM VISCOSITY TABLES

FOR

KINEMATIC VISCOSITY CONVERSIONS
AND VISCOSITY INDEX CALCULATIONS

STP 43 C



AMERICAN SOCIETY FOR TESTING AND MATERIALS

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Contents

Foreword	v
D 2161-66(1971), ASTM Standard Method for Conversion of Kinematic Viscosity to Saybolt Universal Viscosity or to Saybolt Furol Viscosity	1
D 2270-64(1968), ASTM Standard Methods for Calculating Viscosity Index from Kinematic Viscosity	26
Appendix I—Viscosity Conversion Equations	34
Appendix II—Viscosity-Related Conversion Factors	35

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.

