



Standard Test Procedures Manual

Section: EMULSIFIED ASPHALT

Subject: SAYBOLT VISCOSITY

1. SCOPE

1.1 Description of Test

This method is a consistency test for asphalt emulsions.

1.2 Application of Test

A given volume of emulsified asphalt is heated in a standard tube. The small orifice at the bottom of the tube is kept closed with a cork stopper until the testing temperature is obtained. When the orifice is opened the time taken for 60 ml of asphalt emulsion to flow out is recorded.

1.3 Units of Measure

The saybolt viscosity is expressed in units of furol seconds at a specified temperature.

2. APPARATUS AND MATERIALS

2.1 Equipment

Saybolt Furol viscometer, sieve, thermometers, water bath.

See ASTM D88.

3. PROCEDURE

3.1 Test Procedure

See ASTM D88.

4. ADDED INFORMATION

4.1 References

ASTM D88, Volume 4.04

ASTM D244, Volume 4.03

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4.2 General

Saybolt Furol viscometers should be calibrated at periodic intervals. This is done using an appropriate viscosity standard oil at the prescribed temperature. If the obtained time differs from the certified value by more than 0.2 percent, a correction factor must be calculated for the viscometer. All tests done with any viscometer should be reported as corrected values.

Standard Test Procedures Manual

STP 203-1

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APPROVAL SHEET

New Revision X Date of Previous Document 86-04-08

Effective Date: - -

Description of Revision (Reason for Revision):

- Format of test procedure updated.

Review/Implementation Process:

- Reviewed by the Materials Section of the Technical Standards and Policies Branch.

Other Manuals/Policies Affected:

Nil

Follow Up/Training Required:

Nil

Comments/Concerns/Implications (Budget/Environment/Stakeholders):

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Electronic File Updated	<u>- -</u>
Update Mailed	<u>- -</u>