



Standard Specification for Petroleum Used for Blending with Creosote^{1, 2}

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1. Scope

1.1 This specification covers petroleum for blending with creosote conforming to Specification D 390, for use in the preservative treatment of timber.

2. Referenced Documents

2.1 ASTM Standards:

D 88 Test Method for Saybolt Viscosity³

D 93 Test Methods for Flash Point by Pensky–Martens Closed Cup Tester⁴

D 96 Test Methods for Water and Sediment in Crude Oils by Centrifuge Method (Field Procedure)⁴

D 270 Methods of Sampling Petroleum and Petroleum Products⁵

D 445 Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity)⁶

D 1298 Test Method for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method⁴

2.2 Other Standard:

AWPA P4 Standard for Petroleum Oil for Blending with Creosote⁶

3. Properties

3.1 Petroleum for blending with creosote shall conform to the following requirements:

Specific gravity, 60/60°F (16/16°C), min		0.96 ^A
Water and sediment, max, %		1
Flash point, min, °F (°C)		175 (79)
	min	4.2
Viscosity at 210°F, kinematic, cSt	max	10.2
	min	40
Viscosity at 210°F, Saybolt, SUS	max	60

^A Unless experience or test shows that a petroleum of lower specific gravity may be used without the formation of excessive sludge.

4. Sampling and Test Methods

4.1 Determine the sampling and properties enumerated in this specification in accordance with the following ASTM methods:

4.1.1 *Sampling*—Methods D 270.

4.1.2 *Specific Gravity*—Test Method D 1298.

4.1.3 *Water and Sediment*—Test Methods D 96.

4.1.4 *Flash Point*—Test Methods D 93.

4.1.5 *Viscosity*—Test Method D 88, and Test Method D 445.

5. Keywords

5.1 blending; creosote; petroleum

¹ This specification is under the jurisdiction of ASTM Committee D-7 on Wood and is the direct responsibility of Subcommittee D07.06 on Treatments for Wood Products.

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² This specification is essentially the same as the American Wood-Preservers' Assn. Standard for Petroleum for Blending with Creosote (P4-86). Acknowledgment is made to the American Wood-Preservers' Association for its development of the subject matter covered in this standard.

³ *Annual Book of ASTM Standards*, Vol 04.04.

⁴ *Annual Book of ASTM Standards*, Vol 05.01.

⁵ Discontinued; see 1983 *Annual Book of ASTM Standards*, Vol 05.01.

⁶ Available from American Wood-Preservers' Assn., 3246 Fall Creek Highway, Suite 190, Granbury, TX 76049.

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