



Standard Test Method for Evaluation of Diesel Engine Oils in T-8 Diesel Engine¹

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1. Scope

1.1 This test method covers an engine test procedure for evaluating diesel engine oils for performance characteristics, including viscosity increase and soot concentrations (loading).² This test method is commonly referred to as the Mack T-8.

1.2 This test method also provides the procedure for running an extended length T-8 test, which is commonly referred to as the T-8E and an abbreviated length test, which is commonly referred to as T-8A. The procedures for the T-8E and the T-8A are identical to the T-8 with the exception of the items specifically listed in [Annex A8](#) and [Annex A9](#) respectively. Additionally, the procedure modifications listed in [Annex A8](#) and [Annex A9](#) refer to the corresponding section of the T-8 procedure.

1.3 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.3.1 *Exceptions*—Where there is no direct SI equivalent such as the units for screw threads, National Pipe Threads/diameters, tubing size, sole source equipment suppliers, and oil consumption in grams per kilowatt-hour.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* See [Annex A6](#) for specific safety precautions.

1.5 A Table of Contents follows:

¹ This test method is under the jurisdiction of ASTM Committee D02 on Petroleum Products and Lubricants and is the direct responsibility of Subcommittee D02.B0.02 on Heavy Duty Engine Oils.

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² The ASTM Test Monitoring Center will update changes in this test method by means of Information Letters. This edition incorporates revisions contained in all information letters through 10–1. Information letters may be obtained from the ASTM Test Monitoring Center, 6555 Penn Avenue, Pittsburgh, PA 15206-4489, Attention: Administrator.

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