



Test Monitoring Center

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T-11 Information Letter 12-1
Sequence No. 9
May 18, 2012

TO: Mack Mailing List

SUBJECT: T-11 Specified Fuel Designation Change and Rebuilt Engine Reference Requirement Change

As approved by email ballot the panel has updated the fuel designation information for the 0.04% sulfur fuel used in the T-11 test. Appendix A2.6 and Table A7.1 have been updated to reflect this change and are attached.

As approved at May 2, 2012 surveillance panel meeting, Section 11.5.2 has been updated to reflect a change to the referencing of a rebuilt T-11 test engine.

The attached changes to Test Method **D7156-11** are effective May 2, 2012.

Greg Shank
Manager, Engine Product Development
Volvo

Frank M. Farber
Administrator
ASTM Test Monitoring Center

Attachment

c: ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/procedure_and_ils/T-11/il12-1.pdf

Distribution: Email

(Revises D7156-11)

11.5.2 *Test Engine Rebuild*—A newly rebuilt test engine does not require a calibration test. After a rebuild a break-in shall be run. The timing and frequency of engine rebuilds is left to the discretion of the laboratory.

A2.6 PC-9-HS Reference Diesel Fuel is available from:

Chevron Phillips
Phillips 66 Co. Marketing Services Center
P.O. Box 968
Borger, TX 79008-096

TABLE A7.1 PC-9-HS Reference Diesel Fuel

Property	Test Method	Minimum ^A	Maximum ^A
Sulfur, mass %	D2622	0.04	0.05
Gravity, °API	D287 or D4052	34.5	36.5 (37)
Hydrocarbon composition, % Vol:			
Aromatics	D1319 (FIA)	(27) 28	33
Olefin	D1319 (FIA)		Report
Cetane number	D613	(40) 42	48
Cetane index	D4737 and D976		Report
Copper strip corrosion	D130		1
Flash point, °C	D93	54	
Pour point, °C	D97		-18
Cloud point, °C	D2500		Report
Carbon residue on 10 % residuum, mass%	D524 (10 % Bottoms)		0.35
Water and sediment, vol%	D2709		0.05
Viscosity, mm ² /s @ 40 °C	D445	2.4	3.0
Ash, mass%	D482		0.005
Total acid number	D664		0.05
Strong acid number	D664		0.00
Accelerated stability	D2274		Report
Distillation, °C	D86		
IBP			Report
10 % Vol			Report
50 % Vol			Report
09 % Vol		282	
EP			Report

^A Minimum/maximum numbers in parentheses are EPA Certification Fuel Specifications.