



Test Monitoring Center

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T-11 INFORMATION LETTER 05-1

Sequence No. 1

December 8, 2005

ASTM consensus has not been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: Mack Mailing List

SUBJECT: Top Ring Part Number Change
Removal of Rotational Viscosity Measurement
Correction Factors for Soot Content at 12 cSt Viscosity Increase and MRV Viscosity

Top Ring Part Number

On the August 3, 2005 conference call, the Mack Test Surveillance Panel agreed to change the T-11 top ring from part number 349GC3113 to 349GC3107. Table A2.1 of D 7156 has been modified accordingly and is attached. This change is effective for all new engine builds on or after August 3, 2005.

Rotational Viscosity

At the September 9, 2005 meeting, the Mack Test Surveillance Panel agreed to drop the requirement to measure rotational viscosity. Section 10.1.5 of D 7156 has been removed and Sections 10.1.6 through 10.1.9 have been renumbered. This change is effective September 9, 2005.

Correction Factors

The Mack Test Surveillance Panel approved the use of two sets of correction factors. On the September 14, 2005 conference call, the Mack Test Surveillance Panel adopted correction factors to account for a shift in test severity due to the introduction of new top ring hardware. The correction factor for Soot Content at 12 cSt Viscosity Increase is -0.39% . The correction factor for MRV Viscosity is 1274 cP. These correction factors were effective from September 14, 2005 to December 5, 2005. At the December 5, 2005 meeting the Mack Test Surveillance Panel adopted correction factors of -0.36% for Soot Content at 12 cSt Viscosity Increase and 713 cP for MRV Viscosity. These correction factors are effective beginning December 6, 2005. Section 11.6.1 has been added to D 7156 and is attached.

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Attachment

c: ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/procedure_and_ils/t11/il05-1.pdf

Distribution: Email

Delete Section 10.1.5.**Renumber Sections 10.1.6 through 10.1.9 as Sections 10.1.5 through 10.1.8, respectively.**11.6.1 *Correction Factors*

11.6.1.1 *Soot Content at 12 cSt Viscosity Increase* – for all tests using top ring part number 349GC3107 and finishing from September 14, 2005 through December 5, 2005, add a correction factor of –0.39 % to the original test result. For all tests finishing on or after December 6, 2005, add a correction factor of –0.36% to the original test result. Report both the correction factor and the final result on the appropriate form.

11.6.1.2 *MRV Viscosity* – for all tests using top ring part number 349GC3107 and finishing from September 14, 2005 through December 5, 2005, add a correction factor of 1274 cP to the original test result. For all tests finishing on or after December 6, 2005, add a correction factor of 713 cP to the original test result. Report both the correction factor and the final result on the appropriate form.

TABLE A2.1 New Parts for Each Rebuild

Part Name	Mack Part Number	Quantity
Cylinder liners	509GC471	6
Piston Assembly:		
Piston Crown	240GC5125M	6
Piston Skirt	240GC5119M	6
Piston Rings:		
#1 Compression ring	349GC3107	6
#2 Compression ring	349GC3108	6
Oil ring	350GC343	6
Overhaul gasket sets	57GC2176	2
	57GC2178B ^A	1
	57GC2179	1
Spin-on filters	485GB3236	2
Centrifugal filter cartridge	236GB244B	1
	(57GC2134A Kit)	
Engine coolant conditioner	25MF435B	1
Primary fuel filter	483GB470AM	1
Secondary fuel filter	483GB471M	1
Valve guides	714GB3111	24
Valve stem seals	446GC332	24
Inlet insert	13GC316	12
Exhaust insert	13GC317	12
Valve stem key	54GC25	48
Inlet valve	690GC410	12
Exhaust valve	688GC344	12
Connecting rod bearings	62GB2396A	6
Main Bearings	57GC387	7
Thrust Washers	714GC41	2
	714GC42	2