

**Test Monitoring Center**

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1M-PC Information Letter No. 95-1
July 28, 1995

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

TO: Caterpillar Mailing List

SUBJECT: Liner Wear Step Measurement Technique
Removal of Maximum Allowable LSC Specification
Adoption of the Standardized Test Report Cover Sheet
Exhaust Backpressure Specification
Exhaust Temperature Specification
Approved Data Dictionary and Forms

At the Single Cylinder Diesel Surveillance Panel meeting on February 23, 1995, in San Antonio, Texas, the following changes to the 1M-PC test procedure were approved:

Liner Wear Step Measurement Technique

The procedure and report forms have been changed such that the liner wear step measurement is now to be done in the same fashion as in the 1K and 1N test.

Removal of Maximum Allowable LSC Specification

The maximum allowable loss of side clearance (LSC) specification has been removed from section 7.9.3.

Adoption of the Standardized Test Report Cover Sheet

The test report affidavit sheet (formerly Form 1) has been revised both to make provision for adoption of the standardized test report cover sheet used by all TMC monitored tests and to relocate all critical test parameters to Form 1.

Exhaust Backpressure Specification

All references to exhaust backpressure have been changed to absolute pressure. The absolute pressure specification is: 106.7 ± 1.7 kPa (31.5 ± 0.5 in. Hg).

Exhaust Temperature Specification

In response to difficulty in maintaining the previous exhaust temperature, the specification for exhaust temperature has been revised downward to: 573 ± 28 °C (1063 ± 50 °F).

Approved Data Dictionary and Forms

In addition to the already described revisions to Form 1 and the Cover Sheet, the preliminary working copy of the data dictionary has evolved markedly. Most of the changes do not affect the appearance of the test report forms. They deal primarily with mnemonic names, field lengths, and data types. One significant change to the appearance of the report forms, however, is the adoption of standardized page headers. The header data presented at the top of each form of the report package is now the same on every page of the report. Enclosed is the approved release of the data dictionary and report forms.

For your convenience, enclosed with this letter is a revised copy of the 1M-PC procedure incorporating all of the changes outlined above.

With the exception of the data dictionary and forms implementation, all changes outlined in this letter are effective the date of this letter. The effective date for the data dictionary and forms is 60 days from the date of this letter.



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John L. Zalar
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Enclosure

c: Data Communications Committee