



Test Monitoring Center

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Sequence IX Information Letter 25-1
Sequence Number 10
January 7, 2025

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

TO: Sequence IX Surveillance Panel

SUBJECT: Clarification of How Iterations and Cycles are Defined

During the November 20, 2024, Sequence IX Surveillance Panel meeting, the panel agreed to better define what an iteration is. Sections 4.2 and 11.3 of Test Method D8291 have been updated to refer to a test cycle as all the steps from 1-6 of Table 9 as a test cycle and to define step 4 in Table 9 as an iteration.

The revised text and/or section(s) have been highlighted in red and are effective for tests completing on or after November 20, 2024.

/s/ M. D. Deegan

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Attachment

c: https://www.astmtmc.org/ftp/docs/gas/sequenceix/procedure_and_ils/il25-1-ix.pdf

Distribution: Email

Revises D8291-24 as amended by Information Letters 24-2 and 24-3

4.2 The test procedure is conducted in four ~~iterations~~ cycles. Each ~~iteration is 175 000 engine cycles in length~~ cycle consists of steps 1 through 6 of Table 9. Step 4 of Table 9 is referred to as an iteration.

11.3 *Test Cycle*—For one complete test, carry out the test cycle shown in Table 9 until four valid ~~iterations~~ cycles have been recorded ~~four times~~ (see 11.3.4). Each cycle ~~is referred to as one iteration~~ consists of steps 1 through 6 of Table 9, ~~the four cycles being~~ and are denoted as ~~iterations~~ cycles A, B, C, and D. Step 4 of Table 9 is referred to as one iteration.