



Test Monitoring Center

@ Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>
412-365-1000

Sequence IIIH Information Letter 17-5
Sequence No. 5
August 22, 2017

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 III Mailing List
SUBJECT: Blowby Measurement Using J-Tec Flowmeter

During the July 20, 2017 Sequence III Surveillance Panel Conference call, the panel agreed to a change in how blowby measurements are made when using the J-Tec flowmeter. Section 11.8.2.7 has been added to better define the measurement technique. In addition an error was noted in section 11.8.2.5 which required a J-Tec filter be installed with a sharp edge orifice, which is incorrect. Also, section 11.8.2.1 has been updated to reflect both J-Tec and sharp edge orifice devices.

The attached changes to Test Method D8111-17 are effective with the issuance of this letter.

Larry Sak, PE
Head of Materials, Fasteners & Engrg Standards
FCA US LLC

Frank M. Farber
Director
ASTM Test Monitoring Center

Attachments

c: http://www.astmtmc.cmu.edu/ftp/docs/gas/ChryslerIIIH/procedure_and_ils/il17-5_IIIH.pdf

Distribution: Electronic Mail

Modifies Test Method D8111-17 as amended by Information Letters 17-3 and 17-4

11.8.2.1 Bypass the blowby gas around the J-TEC flow meter or sharp edge orifice when blowby flowrate is not being measured.

11.8.2.5 When using a sharp-edge orifice meter, select an orifice size such that the observed pressure change ΔP used to calculate the blowby flow rate lies in the midrange of the calibration curve. Control the crankcase pressure to $0 \text{ Pa} \pm 12.4 \text{ Pa}$.

11.8.2.7 When using a J-TEC meter to conduct blowby measurements, flow the blowby gas through the meter for 2 min. Acquire data for the last 30 s of flow and average these data. Report the average of these data as the blowby flowrate for that test hour.