DRAFT AMENDMENT

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Road vehicles — Aerosol separator performance test for internal combustion engines —

Part 1: General

AMENDMENT 1

Véhicules routiers — Essai de performance du séparateur d'aérosols pour les moteurs à combustion interne —

Partie 1: Généralités

AMENDEMENT 1

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This document was prepared by Technical Committee ISO/TC 22, *Road Vehicles*, Subcommittee SC 34, Propulsion, powertrain and powertrain fluids.

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Part 1: General

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Annex F

Added the second paragraph of F.2.

F.2 Validation of absolute filter media efficiency, E_a

Arrange two absolute filter housings in series. Perform a gravimetric efficiency test with a challenge aerosol with a D50 of 0,60 micron or an output challenge distribution from the highest performing product tested and at the highest flow rate designated for this absolute filter material/housing and determine the mass increase of each absolute filter according to the test procedure given in the corresponding sections in each concerned part of ISO 17536.

A HEPA filter as defined in 2.1.26, shall be used downstream (second filter housing) of your absolute filter material to validate the performance.

Calculate the absolute filter media efficiency, E_a as follows:

$$E_a = \frac{\Delta m_A}{\Delta m_A + \Delta m_B} \times 100\% \quad \text{(F.1)}$$

where

E_a is the absolute filter efficiency system in series;

Δm_A is the mass increase of upstream absolute filter;

Δm_B is the mass increase of downstream absolute filter

The mass increase on the upstream absolute filter shall be greater than 1,0 grams before performing the validation on the absolute filter material.