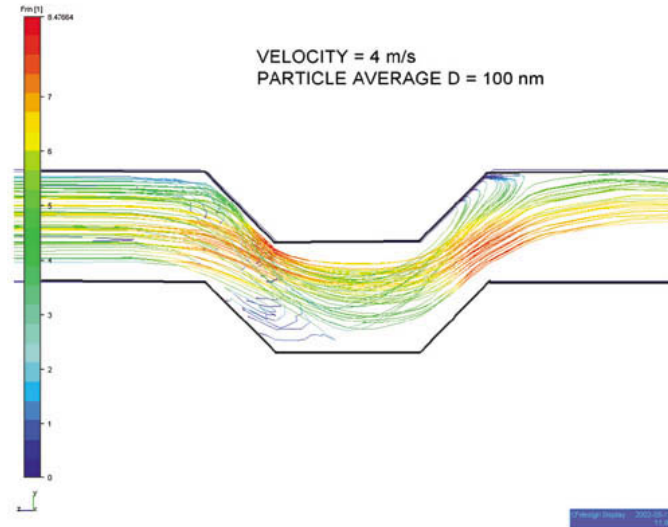
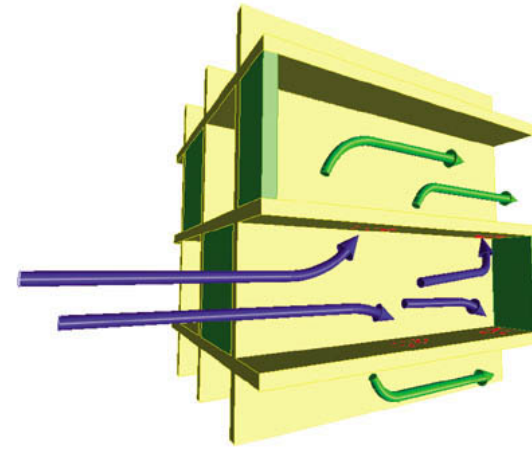


Standard Converter

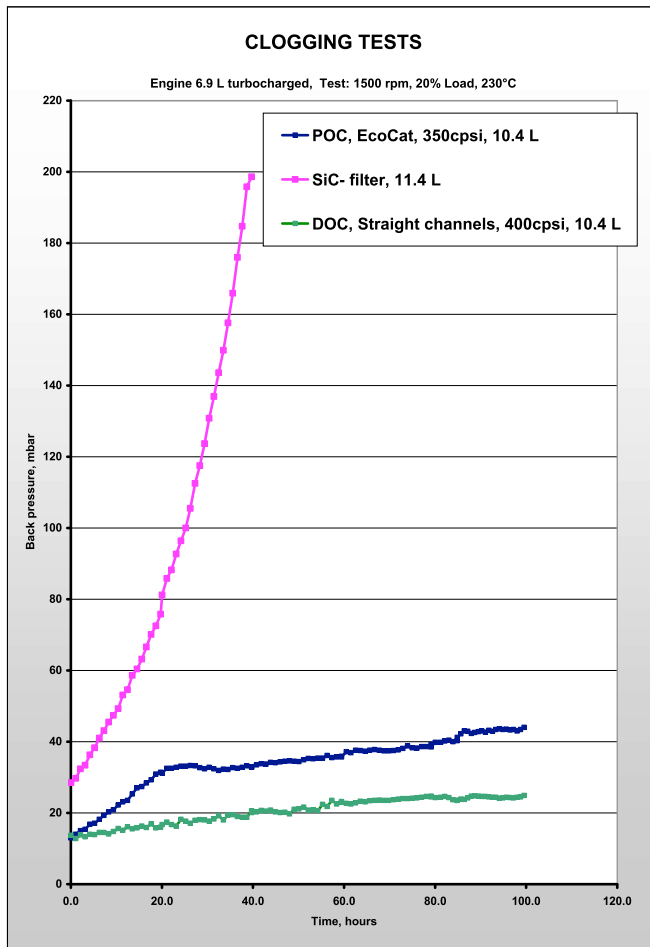


EcoCat Substrate



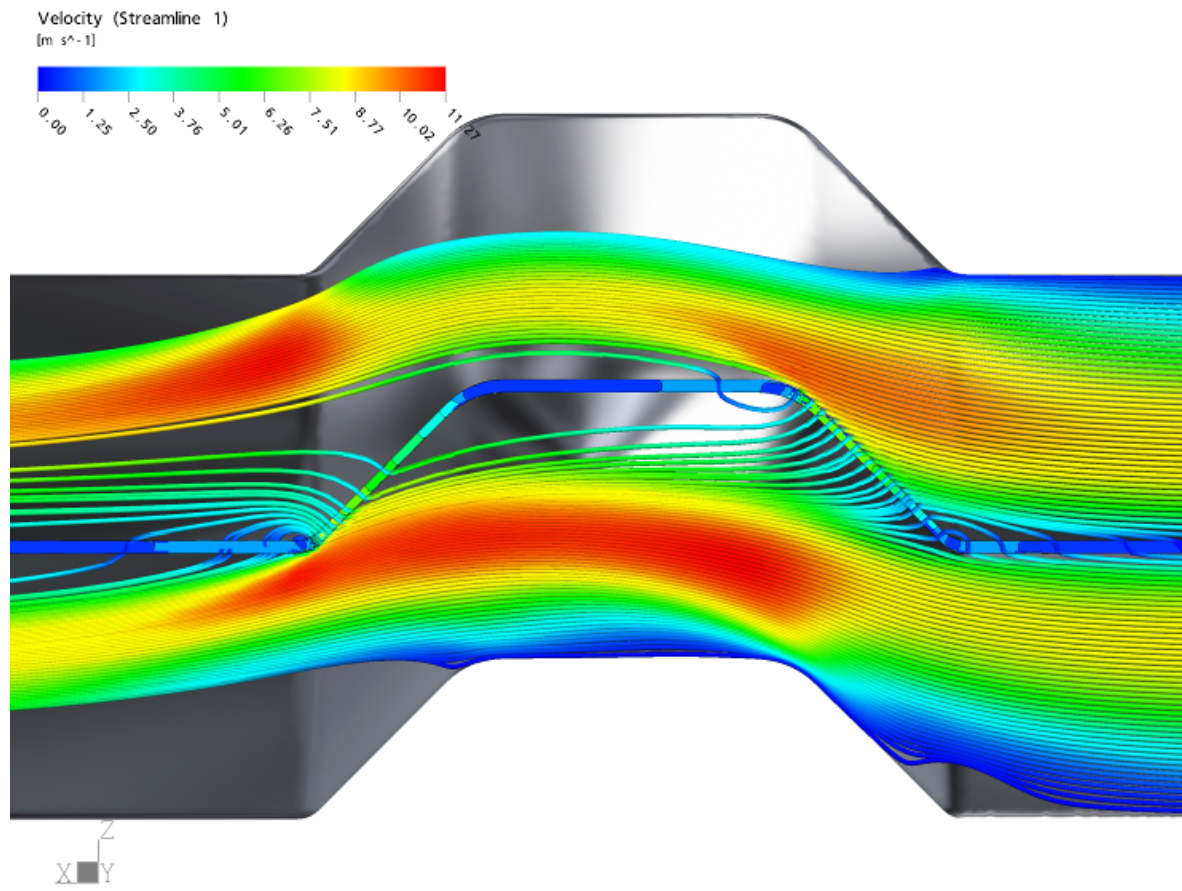
Diesel Particulate Filter

EcoCat® substrates

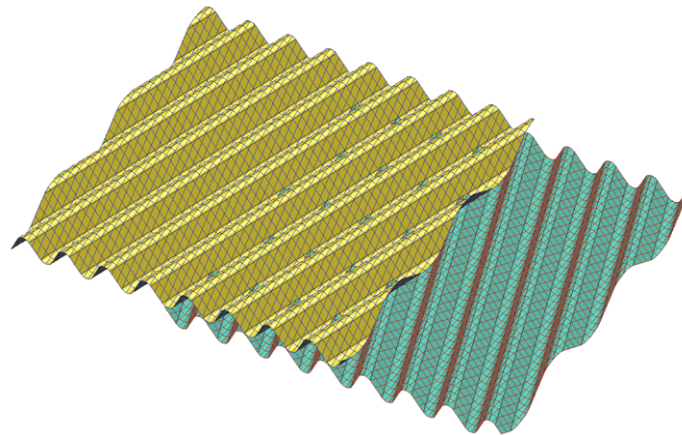


With EcoCat substrates
the particulate residence time
inside the substrate can be
increased

Uncoated POC-E



Structure of the POC-X



Particulate trapping

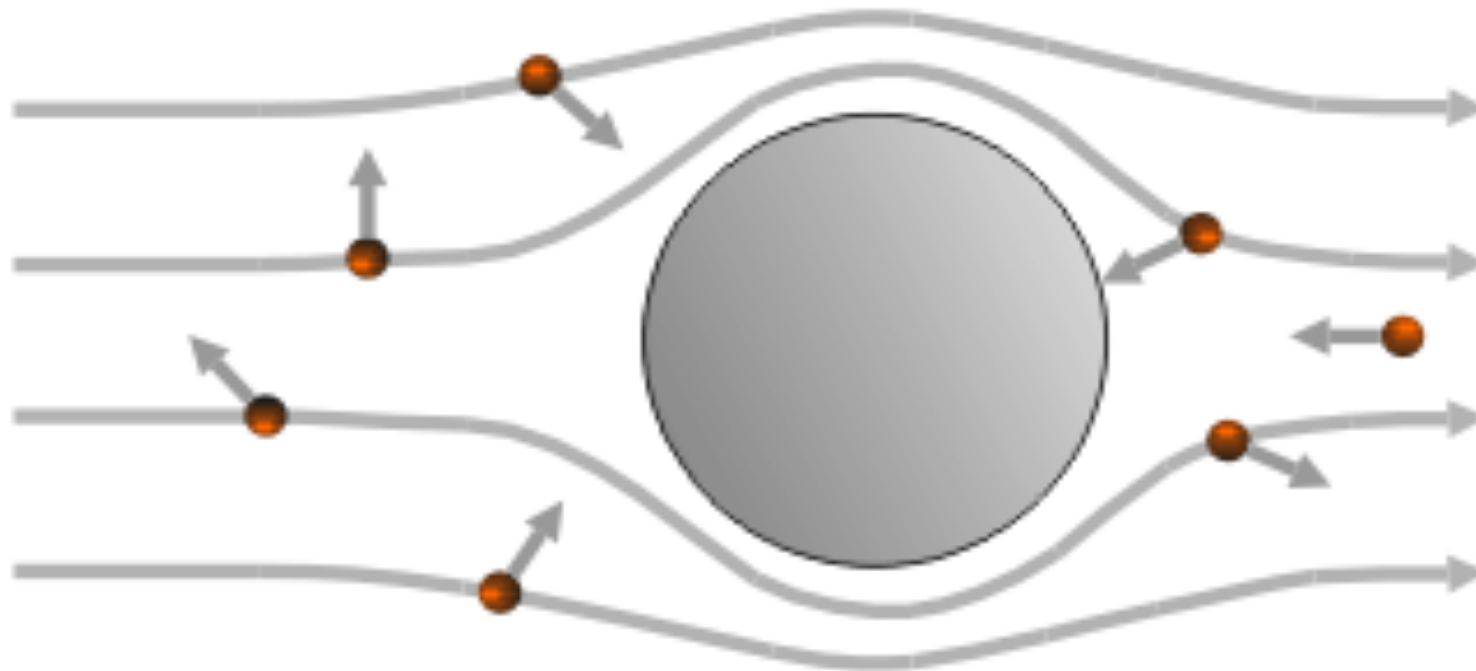
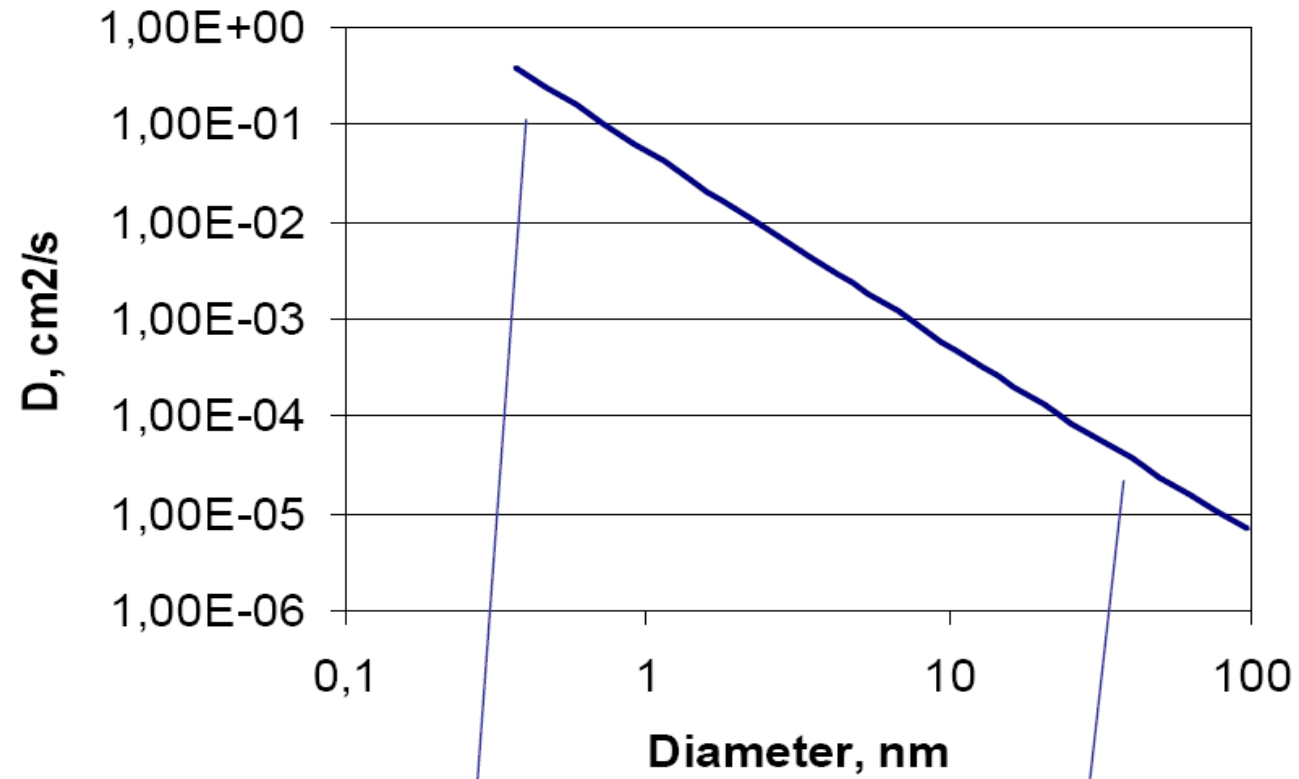


Figure 6. Diffusional Deposition

Diffusion coefficient

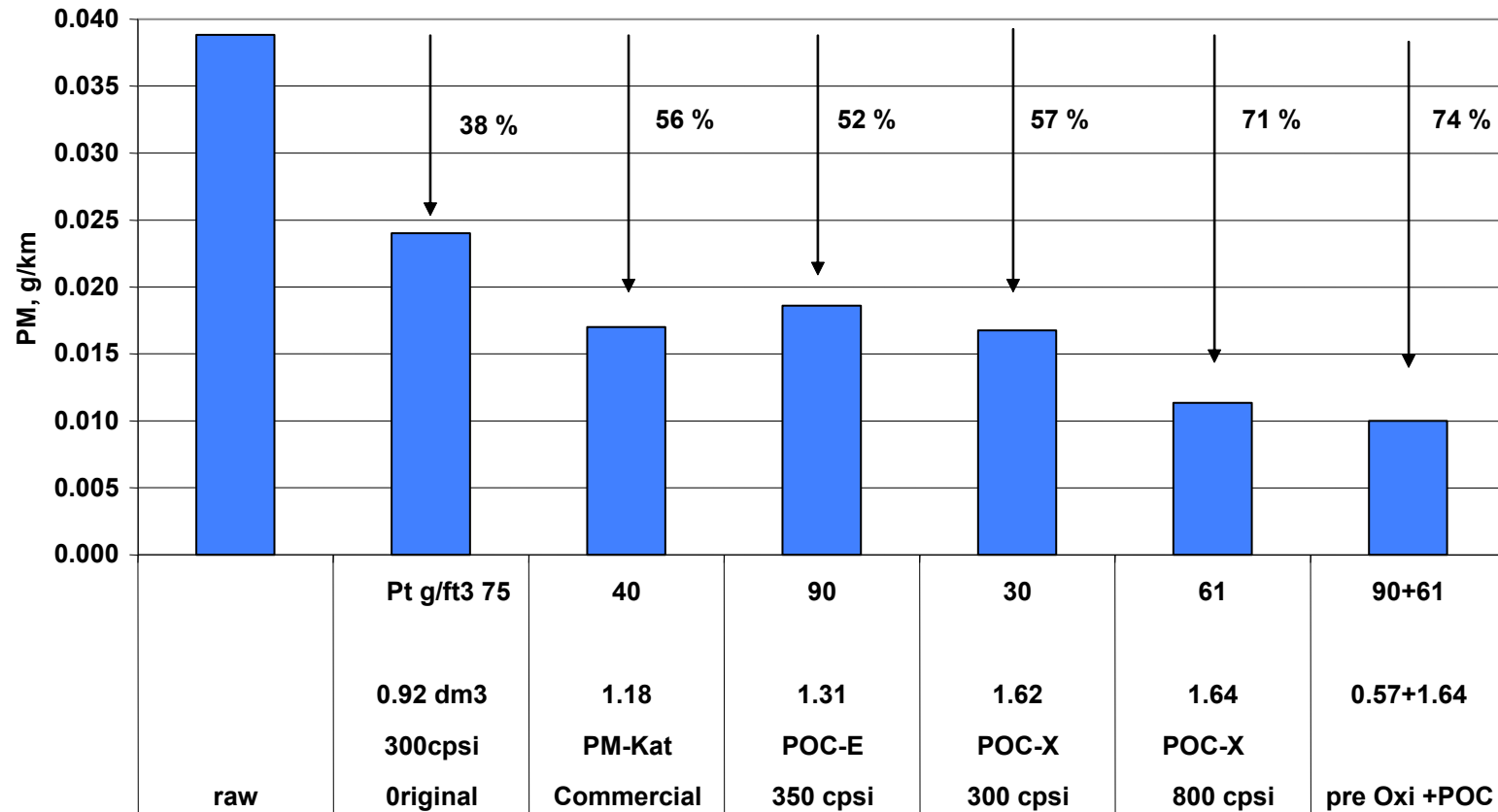


gas molecule

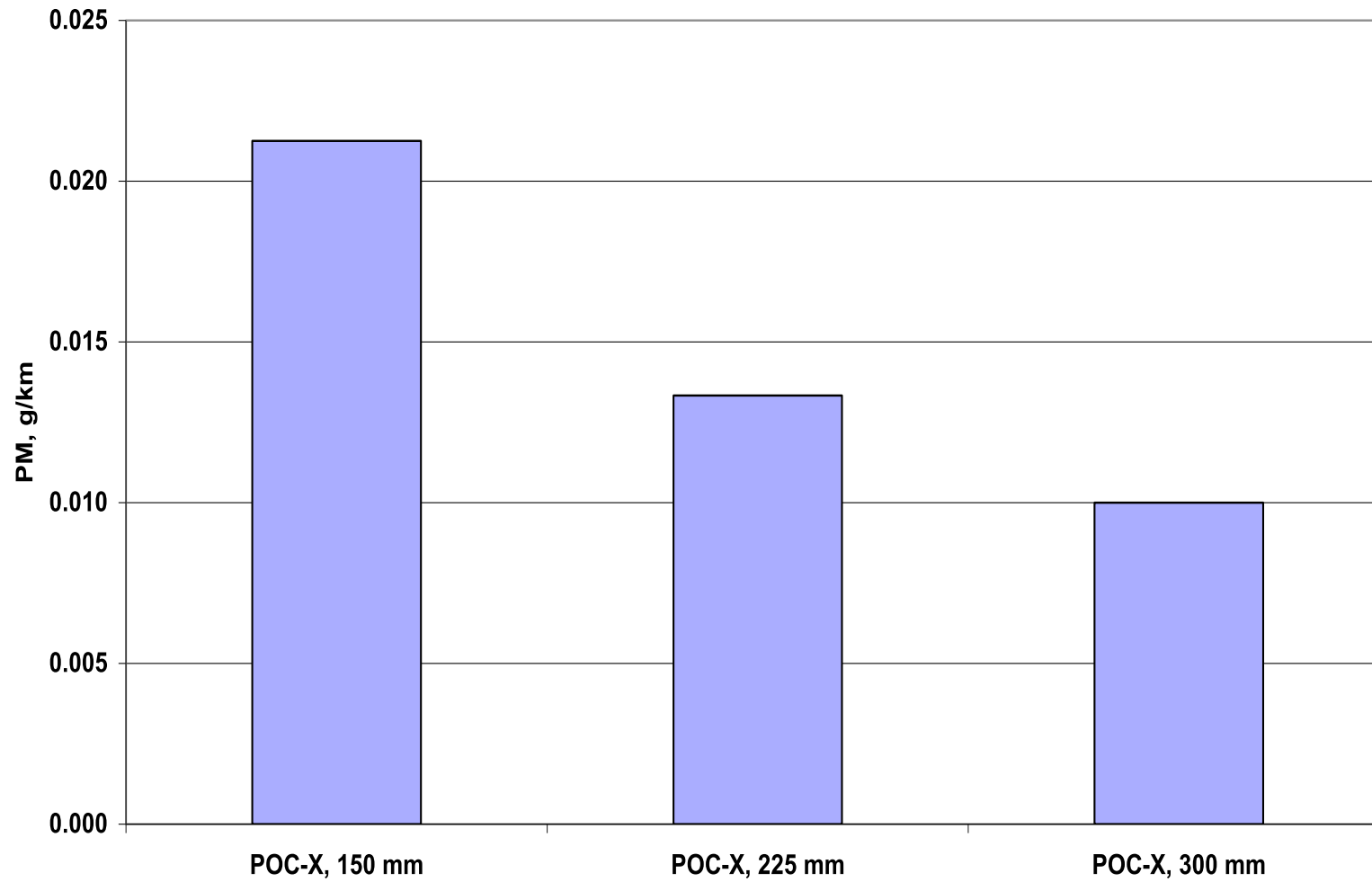
soot particle



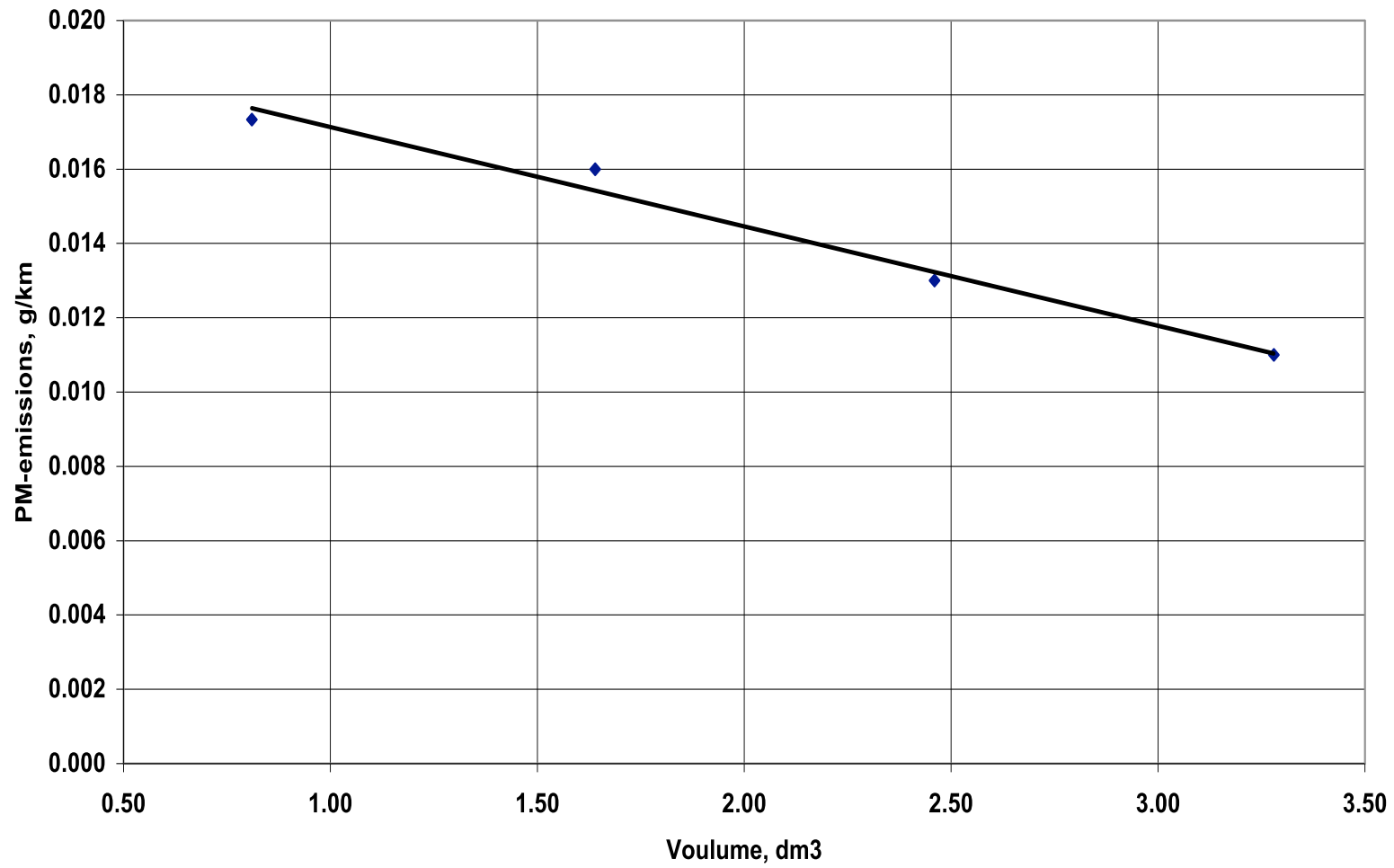
VW Touran 1.9 TDi. MVEG-B catalyst study

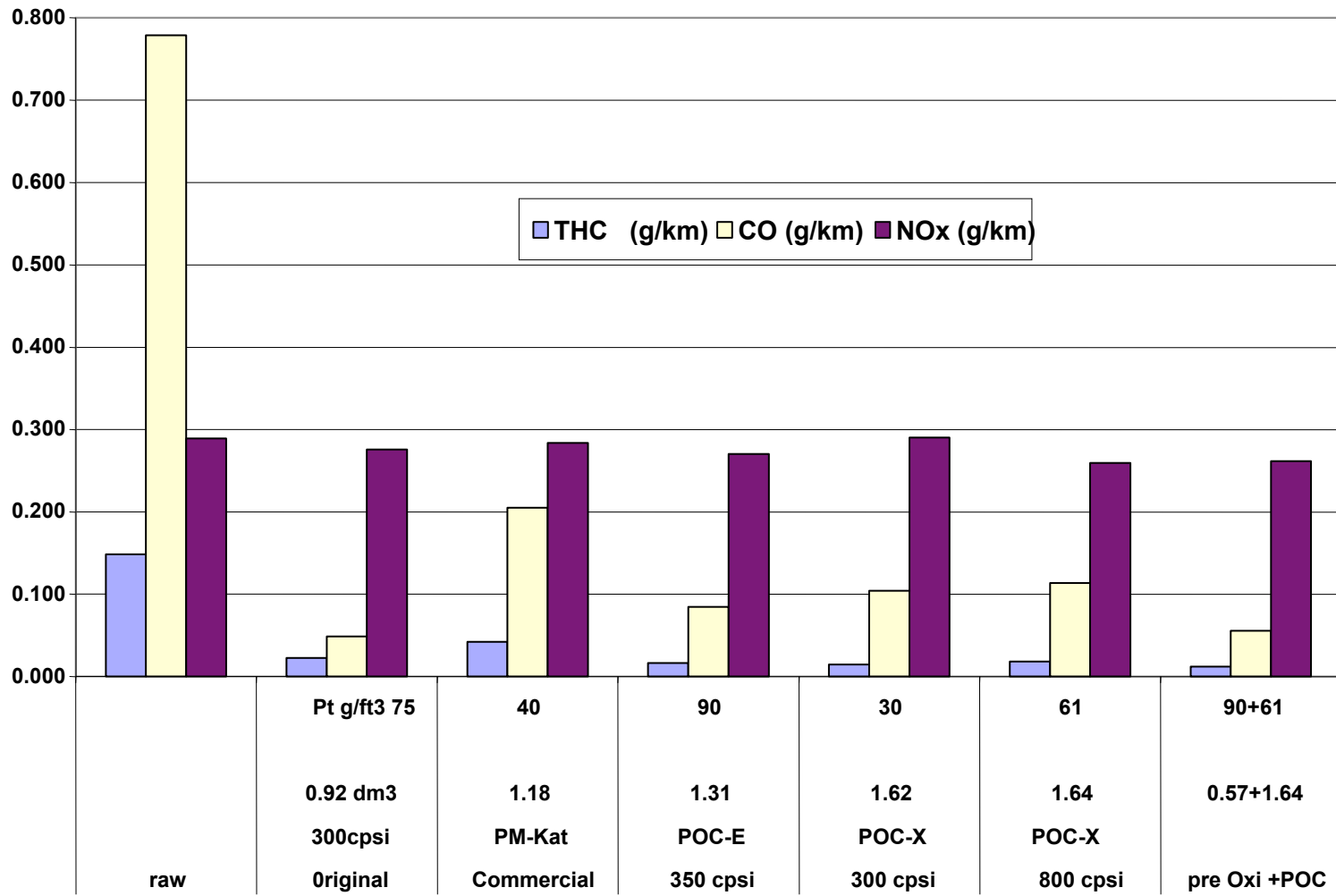


POC-X, Constant diameter = 118 mm, 500 cpsi, 30 g/ft³; PM-reduction vs. length

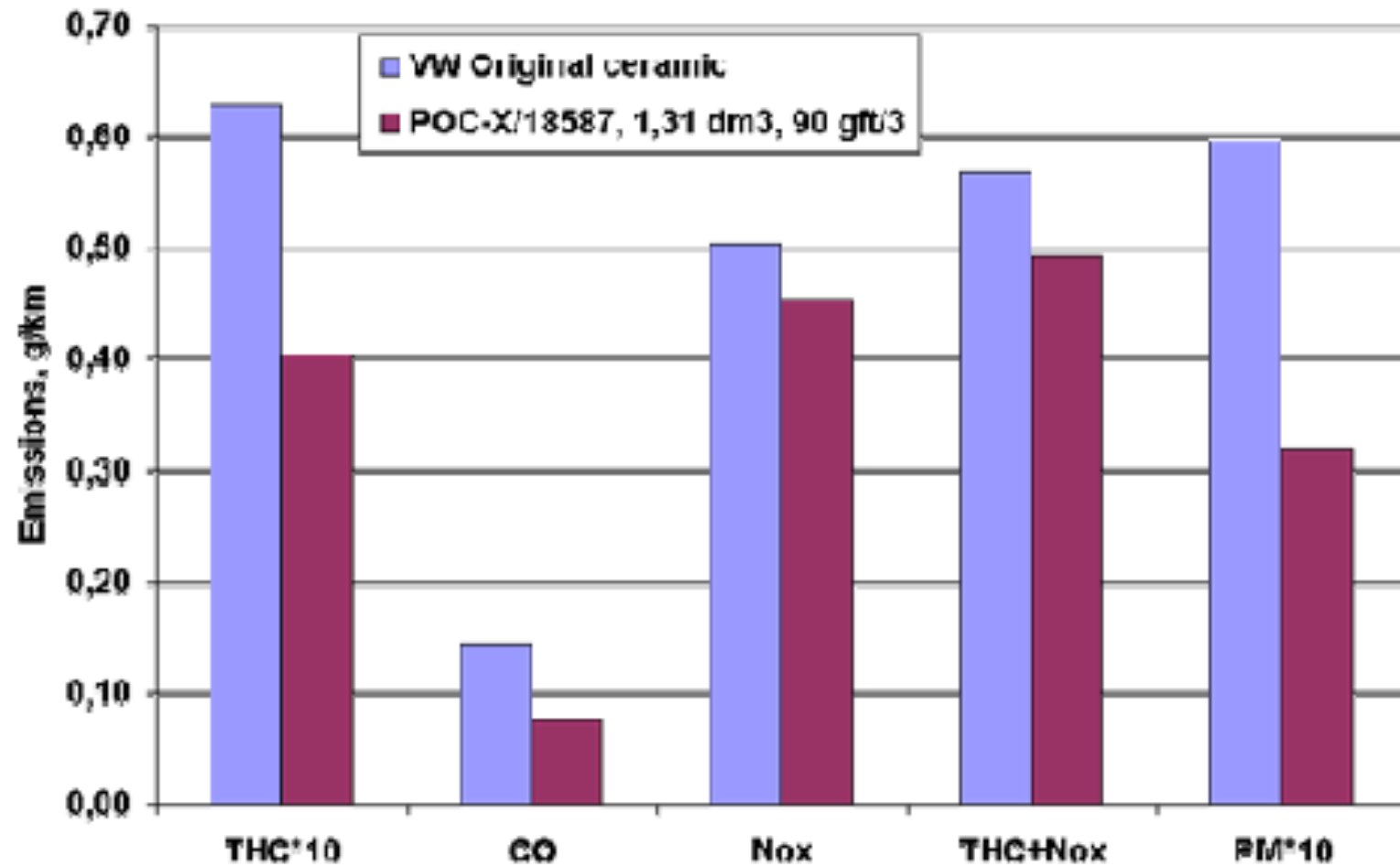


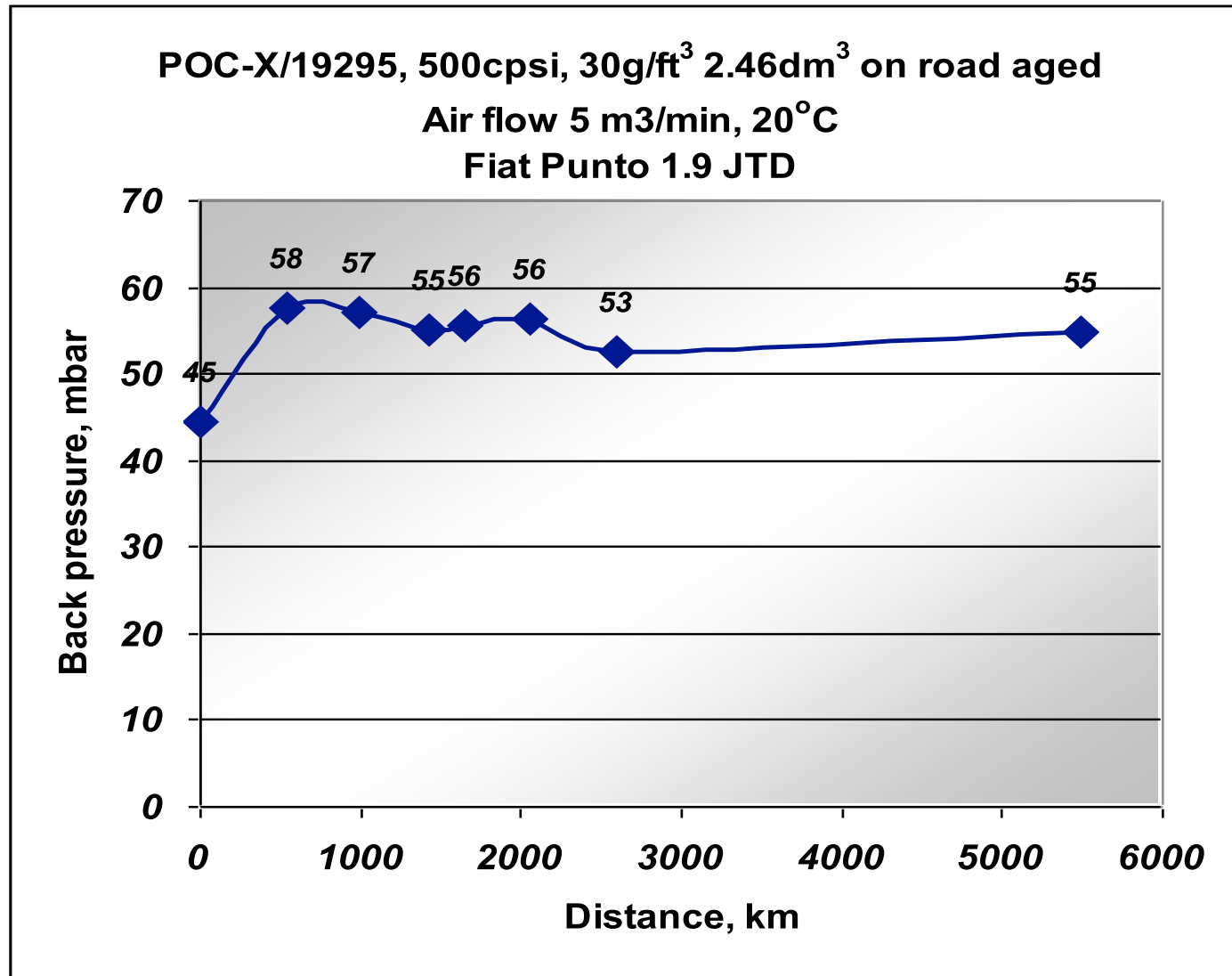
VW Touran, MVEG-B, POC-X, PM vs. POC-X volume



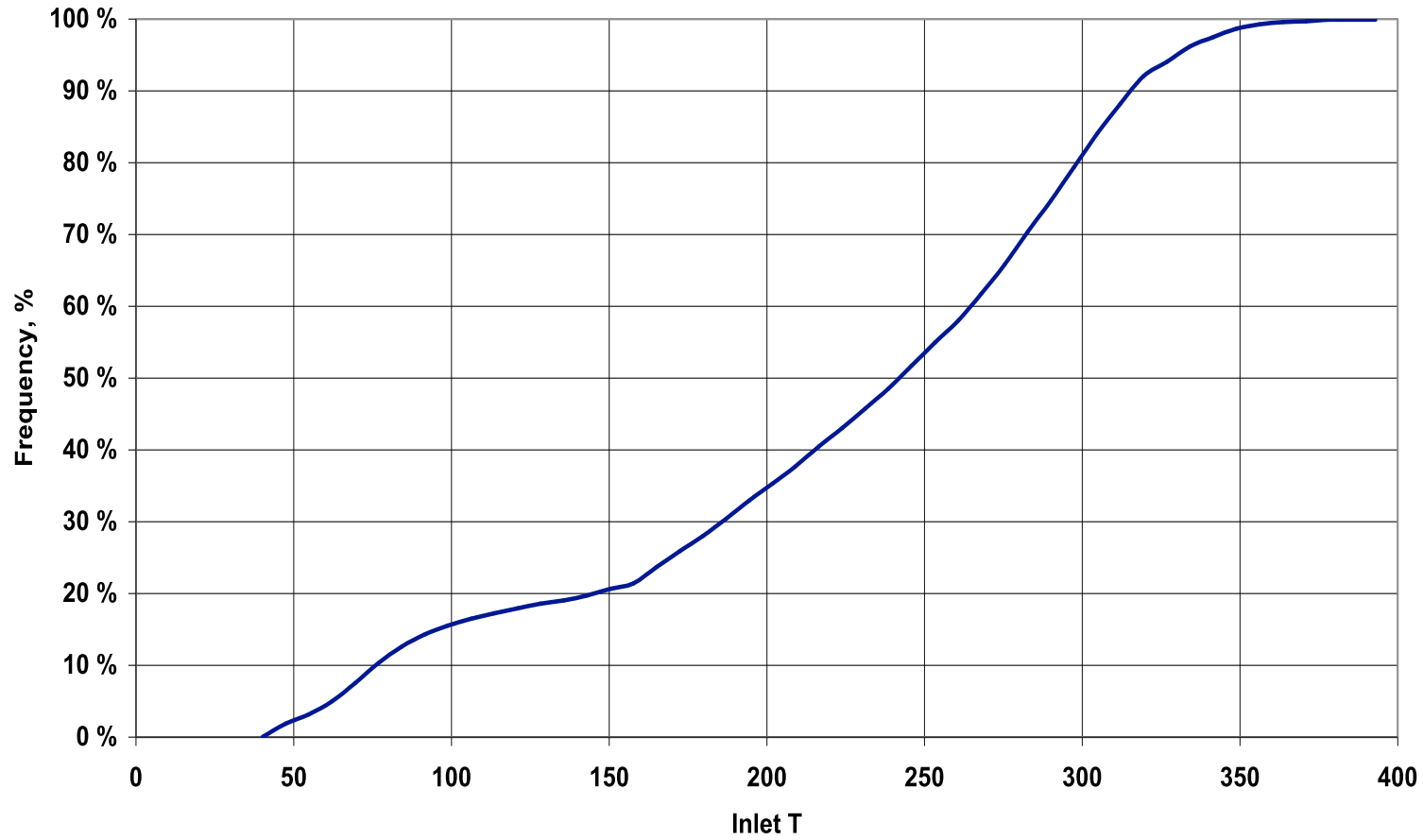


Seat Cordoba 1.9 SDI emissions at the MVEG-A



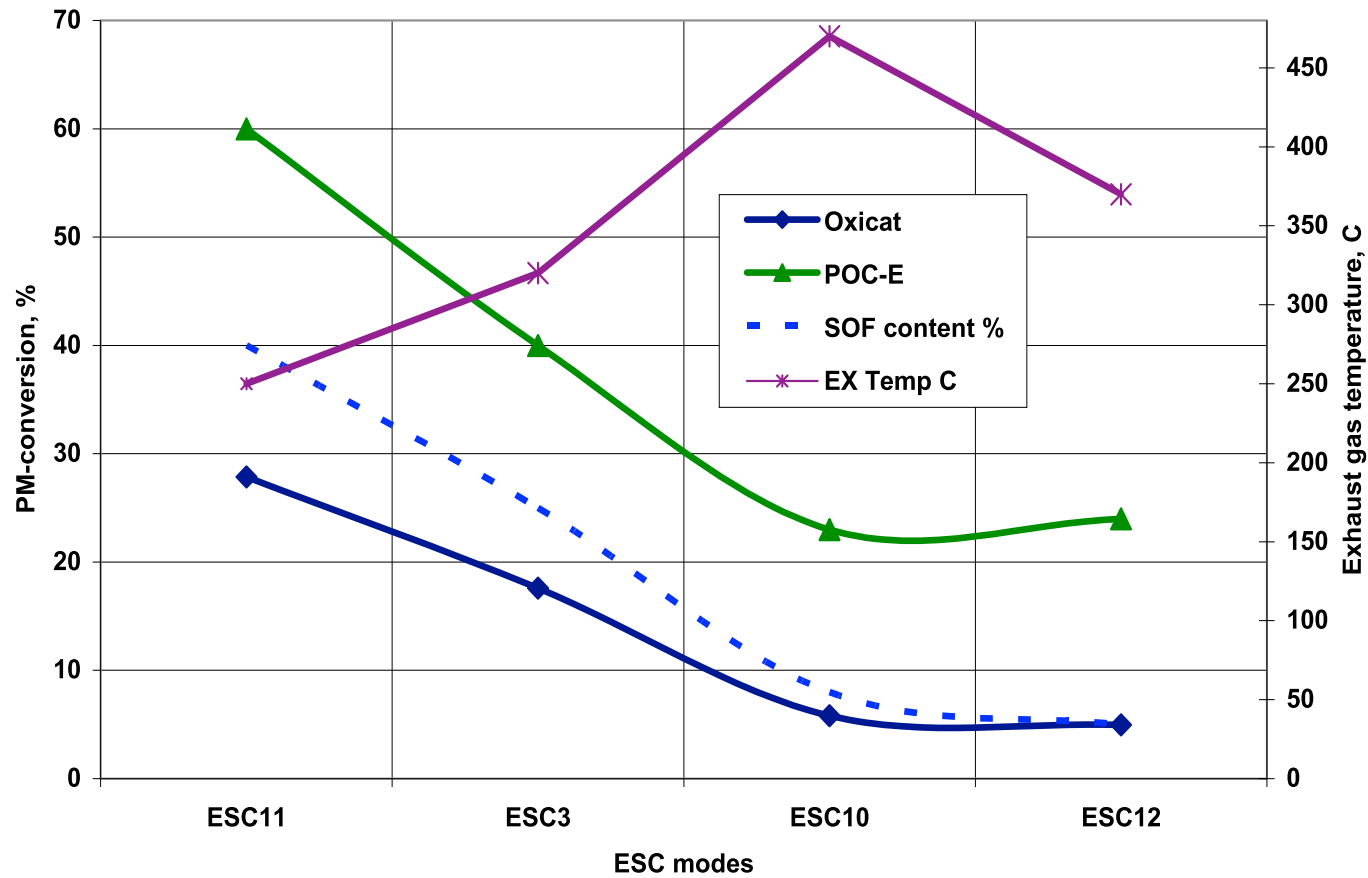


Fiat Punto 1.9 JTD. On road ageing, cumulative exhaust gas temperature distribution, %



DOC and POC comparison

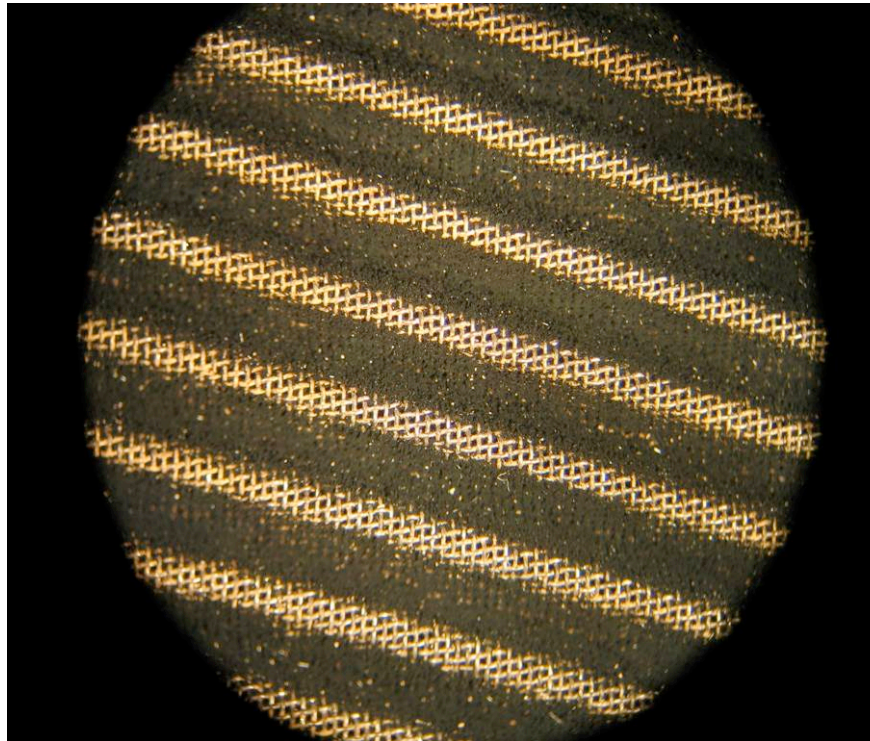
VTT Volvo DH 10. DOC vs. POC-E.



POC with the EcoXcell-substrate



After 5 hrs soot accumulation test the POC-X substrate was opened and photographed. Soot was accumulated evenly on the screen walls, not only at the inlet area of the substrate.



Soot oxidation mechanism

