

DIESELS 2007 – PROMISE AND PROBLEMS

Patrick Flynn

Cummins Engine Company (retired)

The presentation will discuss the various modes of compression ignition combustion and their in-cylinder emission production potential. Since in-cylinder control will not meet the emission requirements for 2007, an outline of the aftertreatment effectiveness requirements will be discussed for engines used in transport vehicles. The problems remaining to be resolved for engines operating at speeds from 1000 to 4000 rpm are highlighted.