

REVIEW OF DIESEL EMISSION CONTROL TECHNOLOGIES

Timothy V. Johnson

Corning, Inc.

Future diesel emission regulations in Europe and the United States are forcing engine manufacturers to incorporate advance emission control technologies into their systems. As this is a huge opportunity, the literature is ripe with the latest developments on these control technologies. In this paper, the last 12 months of diesel emission control technologies and issues will be summarized. Some of the topics covered will be particulate filter results and regeneration techniques, fuel sulfur effects on emission control systems, and the latest on NO_x control (SCR, deNO_x catalysts, and NO_x traps).