

DIESEL PARTICULATE FILTER OVERVIEW: MATERIAL, GEOMETRY, AND APPLICATION

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ABSTRACT

This presentation is a review of diesel particulate filters (DPF's) from the past to the present. It will cover materials choices, filter geometry, and systems integration needs. Included in the presentation will be a discussion of materials properties and their com-

patibility with diesel fuel and oil compositional make-up and exhaust use temperature, as well as chemo-thermo-mechanical durability limits of selected supports and catalyst options.