

ACTIVE SOOT FILTER REGENERATION

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Passive soot filters can only be successfully applied to part of needed applications due to the need for elevated exhaust temperature to trigger soot regeneration. Some form of active regeneration assist is needed to make a soot filter robust under all duty cycles. This regeneration assistance can take the form of additional heat, active engine management, or increasing the reactivity of the soot or the catalyst. This presentation will discuss the requirements of an active regeneration system and presents results indicating the performance of such a system.