Comparison of loading and regeneration behavior of uncoated, coated and aged diesel particulate filters

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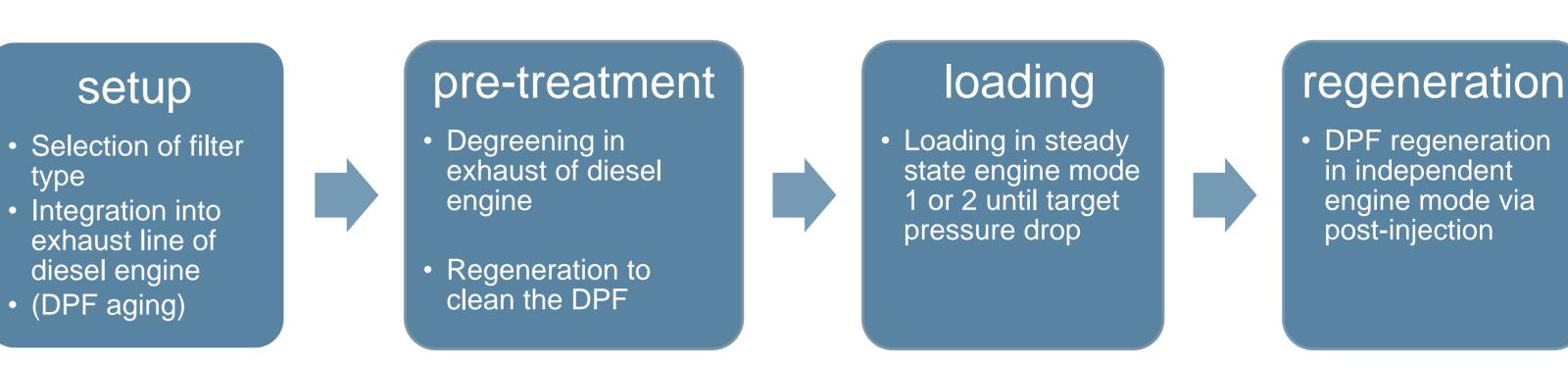
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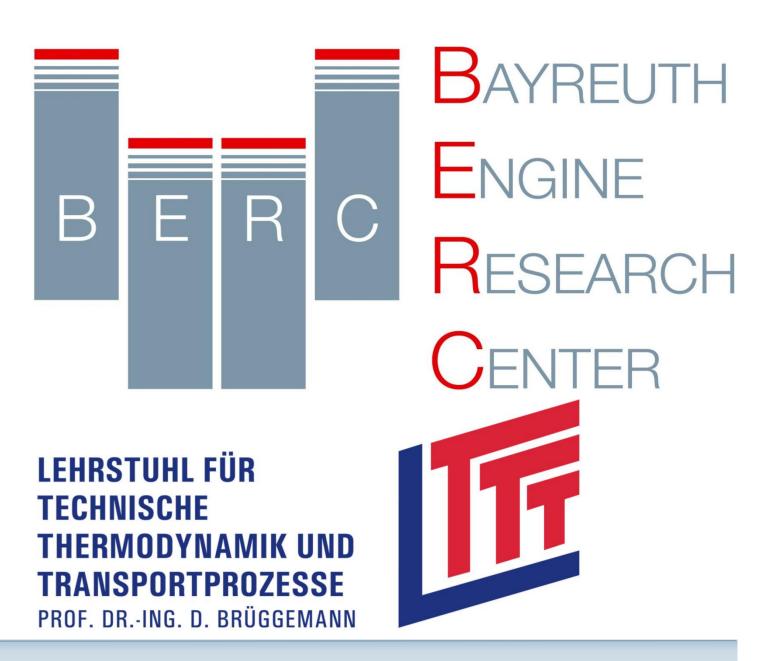
BACKGROUND

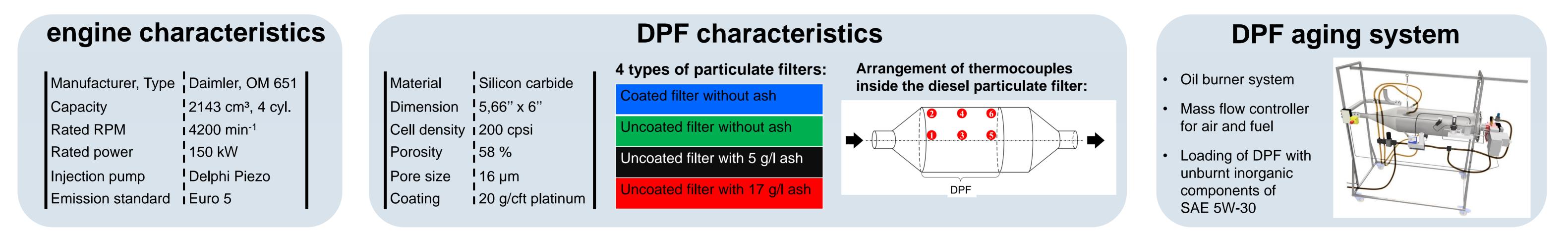
- Regeneration of diesel particulate filters (DPF) is necessary to avoid engine damages
- PM oxidation should lead to a regeneration process that minimizes fuel penalty, avoid high temperature peaks and gradients inside DPF by maintaining a high regeneration efficiency
- Lack of knowledge about thermal control of DPF regenerations and the variety of influencing factors











RESULTS

