

研究简报

柴油机运行参数对碳烟排放的影响

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摘要 在农用动力机械中占主要地位的单缸小型柴油机普遍存在碳排放高的严重问题。对X195型柴油机进行了试验和研究,分析了供油提前角、喷油压力、转速、负荷等运行参数对排放烟度的影响,为降低柴油机碳烟生成提供理论依据。

关键词 [柴油机; 运行参数; 烟度](#)

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Effect of Diesel Operation Parameters on the Emission of Soot

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Abstract

Small single-cylinder diesel engine almost dominates the field of agricultural power machinery in China, but it has a serious problem of the high emission of soot. Diesel X195 was tested and studied in this paper. The effect of diesel operation parameters, such as the fuel supply advance angle, injection pressure, speed, load, etc on the emission smoke was analyzed in order to provide a theoretical basis to reduce the emission of soot.

Key words [diesel](#) [operation parameters](#) [smoke](#)

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