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Influence of mixture-formation conditions on characteristics of low power high-rotation autotractor diesels

is investigated. The constructive parameters and factors that influence the conditions of mixture formation are determined, and their influence is estimated. A complex model and its mathematical backup, that allows determining the ways of the intentional change of mixtureformation conditions to improve it, are developed. Recommendations for diesel designers are provided in the paper. Tabl. 1. Fig. 1.