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Kulmanakov S.P. Influence of enhanceable pressure of injection on pre-flaming processes and indicator indexes of engine of 1ChN 13/14 with «Common Rail» fuel delivery systems / S.P. Kulmanakov, S.V. Yakovlev // Internal combustion engines. – 2011. – № 2. – P. 34-36.

In given article materials of researches of working process of the diesel engine with volume-film mix formation with high pressure fuel systems «COMMON RAIL» are considered, the research method is resulted. As a result of tests it is revealed that increase of pressure fuel injection leads to improvement of power indicators of the engine on all range of change of pressure, in the fulfilled gases decrease the maintenance of firm particles and a carbon oxide. the value of injection pressure which leads to an increase in mechanical strength of piston group parts and an increase in concentration in the exhaust gases of nitrogen oxides was found. Il. 3. Bibliogr. 4 names.