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**Gritsuk A.V. Research of two-phase fuel injection in high-speed low-capacity diesel engine of DTA series /**

**A.V. Gritsuk, A.N. Vrublevskiy, A.A. Prohorenko, A.N.**

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**– P. 13-18.**

**In the work the results of motor test of one-cylinder**

**four-valve high-speed diesel engine with direct fuel injection**

**and electronically-controlled fuel equipment are presented.**

**Efficiency of application of two-phase fuel supply for noise**

**abatement of a diesel engine operation is investigated and**

**stated. It is shown, that there is a possibility of updating of**

**the law of fuel combustion in the cylinder by organization the**

**two-phase fuel supply with various parameters of injection**

**phases. Tabl. 1. Il. 8. Bibliogr. 9 names.**