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Turchin V.T. Performance analysis of the economics’ theoretical models implementation of tractor’s diesels operation for the pistons resource strength estimation /

V.T. Turcin, V.V. Matveenko, V.O. Pylyov, S.M. Baklanov

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92.

Performance analysis of the economics’ theoretical

models implementation of tractor’s diesels operation for the

pistons resource strength estimation is conducted in the paper.

Calculations of the piston’s combustion chamber edge

resource of the diesel engine 4CH 12/14 was made with such

models: economic GSKBD, detailed IPMash and economic

IPMash, with jet and gallery piston cooling are making. The

feasibility of using an economic model of operation IPMash

in the early design stages was proved. The necessity of the

economical model development according to chosen performance

criterion is shown.. Table 4. Il. 1. Bibliogr. 7

names.