UDC 621.43.016

Trinev A.V. Evaluation of mechanical stresses in the outlet valves using tensometry methods / A.V. Trinev, V.T. Kova-lenko, S.V. Obozny, V.P. Kuts, A.N. Klimenko // Internal combustion engines. – 2009. – №2. – P. 74-77.

Checking the mathematical models for adequacy is an important step in constructing the mathematical models of heat stressed state of ICE components. Such checking is done while carrying out motor and motorless experiments. The considera-tion is given to the methods used for motor experiments to analyze the stressed and strained state of outlet valve for fast speed 6ЧН12/14 diesel engine using the tensometric sensors. The influence produced by geometric form of a valve disk and material properties onto deformation behavior while applying the mechanical load is assessed. Correctness of design dia-gram of fastening in the mechanics problem has been con-firmed. Tabl. 4. Il. 9. Bibliogr. 2 names.