**UDC 621.43**

**Chainov N.D., Raenko M.I., Myagkov S.P.. Questions relating to durability of cylinder heads of medium speed engines**

**// Internal combustion engines. – 2008. – №1. – P. 62-65.**

**Evaluating of durability is important for medium speed**

**engines cylinder head exceeding elasticity limit. Methods of**

**evaluating durability based on experimental residual stress data**

**and the possibility of mathematic modeling are discussed in the**

**article. It is shown that mathematic modeling methods have a number of advantages as compared to experimental methods. Particularly, this is a possibility of durability analysis at any**

**stage of component life cycle, including design stage. An expensive**

**operation of cylinder head removal and cutting is**

**avoided. Tаblе. 1. Il. 4. Bibliogr. 7 names.**