**UDK 621.431**

**Bezjukov O.K., Zhukov V.A., Zhukova O.V. Ensuring and control of cooling liquid service properties for internal combustion engines// Internal combustion engines. – 2008. –**

**№1. – P. 148-152.**

**Reliability and efficiency of machines and internal combustion**

**engines must be ensured during all periods of its life. In**

**the period of exploitation the problem is solved with the help**

**of using the high-quality fuels and lubricants and cooling liquid.**

**This article is devoted to the problems of ensuring and**

**control of cooling liquid service properties of heat-transfer**

**agent of ICE cooling systems. The article describes installation**

**and method of investigation, which simulates exploitation fac** **factors:**

**thermal and mechanical influence on liquid in cooling**

**system of internal combustion engines. Research findings show**

**that these influence provoke destruction of adds in cooling**

**liquid and deterioration of liquid properties. The article contains**

**recommendations about instruments and apparatuses for**

**control of cooling liquid service properties and about methods**

**for restoration liquid properties during exploitation for different**

**types of engines. Il. 4. Bibliogr. 8 names.**