

UDC 621.436: 539.3: 621.74

Taran S. B. The estimation properties and structure of cast-iron for high-forced engines pistons / S. B. Taran //

Internal combustion engines. – 2011. – № 2. – P. 107-110.

In the article the possibility of speed-up estimation of thermal endurance of cast-iron is shown by means of the special criterion. The basic constituent of the criterion is pattern's work of deformation in a resiliently-plastic area.

Providing of correct results is possible on condition of stability of receipt of the set coefficient of degree of compactness of the graphite including (Qr) in cast-iron, got by means of computer treatment of metallographic microsections. Il. 1.

Bibliogr. 3 names. Il. 1. Bibliogr. 3 names.