

SOME PROBLEMS OF FATIGUE STRENGTH CHARACTERISTICS OF SINTERED STEEL

Abstract

In the paper the fatigue and structure characteristics of sintered alloyed steel are considered. For conducting the experiments, the samples from powder steel Distaloy AE were made. In the paper by results of cycling tests the fatigue curves for material of DistaloyAE + 0,5%C + 0,06%B and DistaloyAE + 0,5%C + 2,5%CEP are constructed. Simultaneously, electron-microscopical analyses are conducted.