

## METHODS OF WEAR CONDITIONS BEARING ALLOY OF SPLIT BUSHINGS WHICH ARE APPLIED IN TURBINES

JERZY JAROSZEWICZ, LESZEK RADZISZWSKI, ŁUKASZ DRAGUN  
Białystok University of Technology Poland  
Kielce University of Technology Poland

Investigation methods of wear conditions bearing alloy of split busings which are applied on turbines, generators, pumps and forced-draught tan have presented in this paper. Considering split bearings have steel or cast steal base and have been roughing or fisting surface treatment. The visual, penetration, ultrasonic methods and surface roughness measurement of investigation have been considered. For visual investigations were used magnifier with magnification 2–4 times, for penetration testing- the colored penetrates known producers, for ultrasonic investigations were used cameras, for example type UNIPAN 510, UNIPAN 514 or Krautkramera adjustable boost with an accuracy of  $\pm 1$  dB, METRISON M610 and for fisting surface treatment-profilografometr Hommel Tester T1000. Minimal diameter of the slide bearing bushing should be contact with curve bearing bushing by means presented methods. Presented results of investigation conditions after ultrasonic treatment concern was capable for diameter split busings and thickness of alloy bearing not higher than 2 mm.

In article one introduced {one represented} description of technology sliding of pressing diamond - and one talk overed possibility her uses to finishing off toolings of paths {of} measuring - twitches relative and extensions {of} relative ram part, on gelding of rotor machines, with, aim {target} of obtainment of paths about better features than obtained with traditional methods.