

**INCREASING THE RELIABILITY OF AIRCRAFT HYDRAULIC
SYSTEMS THROUGH ANALYSING WORKING FLUID
CONTAMINATION PARTICLE PARAMETERS**

© 2007 L. M. Logvinov, M. A. Kovalyov, I. I. Khablo

Samara State Aerospace University

Systems controlling the serviceability of aircraft hydraulic system units are analysed, and the necessity of their modification is shown. Working fluid contamination particle parameters are chosen as the main diagnostic indicator of the technical state of hydraulic units. Variants of airborne and ground systems controlling aircraft fluid systems are discussed which make it possible to determine the residual resource of hydraulic units.