Journal of Applied Statistics ›
Volume 33, 2006 - Issue 6

Original Articles

Acceptance sampling based on truncated life tests for generalized Rayleigh distribution

Tzong-Ru Tsai & Shuo-Jye Wu

Pages 595-600 | Published online: 04 Oct 2006

Cite this article https://doi.org/10.1080/02664760600679700

Abstract

This paper considers the problem of an acceptance sampling plan for a truncated life test when the lifetime follows the generalized Rayleigh distribution. For different acceptance numbers, confidence levels, and values of the ratio of the fixed experiment time to the specified mean life, the minimum sample sizes necessary to ensure the specified mean life are found. The operating characteristic values of the sampling plans and producer's risk are discussed. Some tables are presented and the use of the tables is illustra

Keywor
producer's

icle ›

Acknow

The authors would like to thank the Editor and the referees for their suggestions, which led to the improvement of this paper.