

Accepted Manuscript

Production and Replacement Policies for a Deteriorating Manufacturing System under Random Demand and Quality

Ouaret Samir , Kenné Jean-Pierre , Gharbi Ali

PII: S0377-2217(17)30603-3
DOI: [10.1016/j.ejor.2017.06.062](https://doi.org/10.1016/j.ejor.2017.06.062)
Reference: EOR 14544



To appear in: *European Journal of Operational Research*

Received date: 7 September 2016
Revised date: 23 June 2017
Accepted date: 27 June 2017

Please cite this article as: Ouaret Samir , Kenné Jean-Pierre , Gharbi Ali , Production and Replacement Policies for a Deteriorating Manufacturing System under Random Demand and Quality, *European Journal of Operational Research* (2017), doi: [10.1016/j.ejor.2017.06.062](https://doi.org/10.1016/j.ejor.2017.06.062)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Deteriorating manufacturing systems under random demand and quality
- Stochastic control problem in the framework of a semi-Markov decision process
- Second-order Hamilton-Jacobi-Bellman (HJB) equations.
- Numerical methods and sensibility analysis
- Deteriorations, minimal repairs and joint optimization of production and replacement policies.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4959421>

Download Persian Version:

<https://daneshyari.com/article/4959421>

[Daneshyari.com](https://daneshyari.com)