Accepted Manuscript

Managing a Closed-Loop Supply System with Random Returns and a Cyclic Delivery Schedule

Candice H. Huynh, Kut C. So, Haresh Gurnani

PII: S0377-2217(16)30372-1
DOI: 10.1016/j.ejor.2016.05.035
Reference: EOR 13721

To appear in: *European Journal of Operational Research*

Received date: 4 June 2015
Revised date: 9 May 2016
Accepted date: 12 May 2016

Please cite this article as: Candice H. Huynh, Kut C. So, Haresh Gurnani, Managing a Closed-Loop Supply System with Random Returns and a Cyclic Delivery Schedule, *European Journal of Operational Research* (2016), doi: 10.1016/j.ejor.2016.05.035

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.

ACCEPTED MANUSCRIPT

Highlights

- We examine the impact of random loss of product in closed-loop supply systems.
- We analyze the inventory replenishment problem to minimize ordering and holding costs.
- We solve the optimal capacity problem to minimize capacity and refurbishment costs.
- We numerically provide comparisons between various heuristic policies.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4959812

Download Persian Version:

https://daneshyari.com/article/4959812

Daneshyari.com