Accepted Manuscript

Spare parts classification in industrial manufacturing using the dominance-based rough set approach

Qiwei Hu, Salem Chakhar, Sajid Siraj, Ashraf Labib

PII: S0377-2217(17)30387-9
DOI: 10.1016/j.ejor.2017.04.040
Reference: EOR 14406

To appear in: *European Journal of Operational Research*

Received date: 1 February 2016
Revised date: 18 April 2017
Accepted date: 21 April 2017

Please cite this article as: Qiwei Hu, Salem Chakhar, Sajid Siraj, Ashraf Labib, Spare parts classification in industrial manufacturing using the dominance-based rough set approach, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.04.040

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

- A three-phase multi-criteria classification approach for spare parts management.
- The approach produces a collection of easily understandable if-then decision rules.
- The approach has been successfully applied in manufacturing industry.
- The decision rules are validated using re-classification and cross-validation.
- The cross-validation shows that the approach outperforms other well-known methods.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4959593

Download Persian Version:

https://daneshyari.com/article/4959593

Daneshyari.com