

# Analyzing Reliability and Maintainability of Crawler Dozer BD155 Transmission Failure Using Markov Method and Total Productive Maintenance: A Novel Case Study for Improvement Productivity

*Elsayed Mohamed Tag Eldin ,Kartick Bhushan ; Somnath Chattopadhyaya ; Shubham Sharma ; Kamal Sharma ; Changhe Li ; Yanbin Zhang*

## **Abstract**

<https://www.mdpi.com/2071-1050/14/21/14534/htm>

*Sustainability* 2022, November