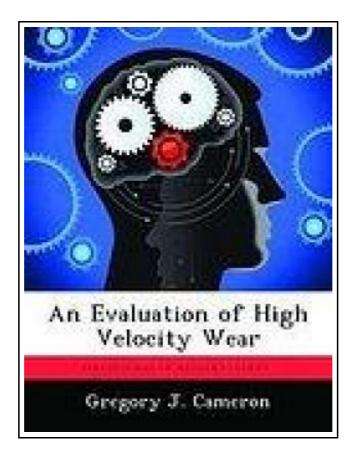
# An Evaluation of High Velocity Wear



Filesize: 6.34 MB

# Reviews

Comprehensive guide for ebook fanatics. I have read and i am certain that i am going to planning to read through yet again once again in the future. Your lifestyle period will likely be change once you full looking over this ebook.

(Jakob Davis)

#### AN EVALUATION OF HIGH VELOCITY WEAR



To read **An Evaluation of High Velocity Wear** PDF, make sure you access the web link listed below and download the document or have accessibility to additional information which are have conjunction with AN EVALUATION OF HIGH VELOCITY WEAR book.

Biblioscholar Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x9 mm. This item is printed on demand - Print on Demand Neuware - The Holloman High Speed Test Track (HHSTT) is a rocket-powered sled track facility used for testing a variety of hypervelocity aerospace applications. The current speed record is 6,453 miles per hour. While this seems fast there are customers at the track that have requirements demanding even faster speeds. Significant research has been conducted in the area of rail gouging as it relates to the test track, and efforts are under way to reduce and even eliminate this phenomenon. Any steps taken in this effort may eliminate catastrophic sled failures caused by gouging, however wear is another damaging issue that needs to be understood. This research evaluates wear in two fashions. First, data from the Dynamic Analysis and Design System (DADS) software, used by the HHSTT to model sled loading and vibration, is evaluated in a theoretical model originating from 'high-speed' pin-on-disk experimentation. The second method evaluates wear by conducting a series of simulations in which temperature, rail geometry in the form of an asperity, speed and rail coating are varied. These short duration simulations are performed with CTH, a hydrocode designed for analyzing hypervelocity impact problems. A validated CTH model, used in previous gouging research, was used to estimate wear by examining local areas of failure and melting. DADS provides forces related to frictional heating and vertical velocity information that will be incorporated as input into CTH. 146 pp. Englisch.



Read An Evaluation of High Velocity Wear Online
Download PDF An Evaluation of High Velocity Wear

# Related eBooks



# [PDF] Psychologisches Testverfahren

Click the hyperlink listed below to download and read "Psychologisches Testverfahren" document.

Save Document »



# [PDF] Programming in D

Click the hyperlink listed below to download and read "Programming in D" document.

Save Document »



#### [PDF] Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird

Click the hyperlink listed below to download and read "Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird" document.

Save Document »



# [PDF] Have You Locked the Castle Gate?

Click the hyperlink listed below to download and read "Have You Locked the Castle Gate?" document.

Save Document »



#### [PDF] The Java Tutorial (3rd Edition)

Click the hyperlink listed below to download and read "The Java Tutorial (3rd Edition)" document.

Save Document »



#### [PDF] First Fairy Tales

Click the hyperlink listed below to download and read "First Fairy Tales" document.

Save Document »