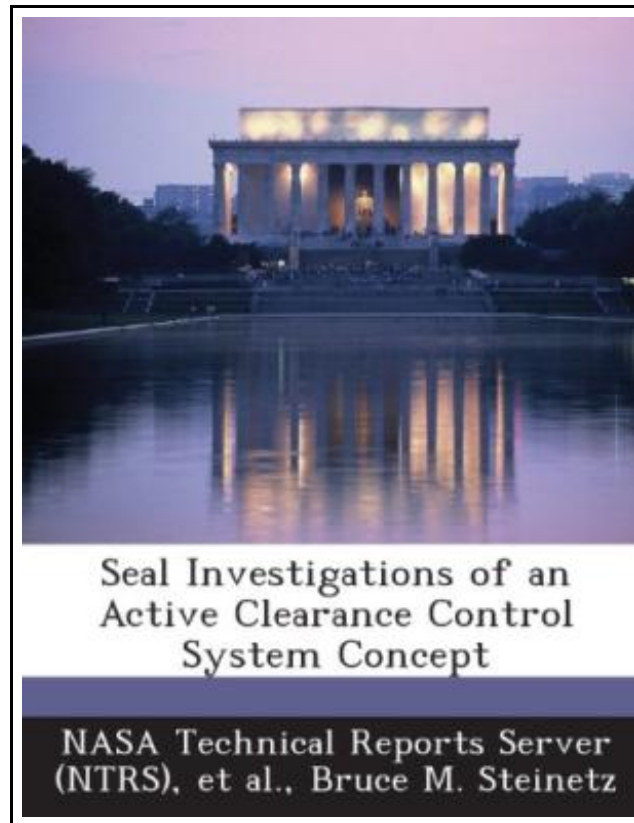


## Seal Investigations of an Active Clearance Control System Concept



Filesize: 6.8 MB

### ***Reviews***

*Very beneficial to any or all group of folks. I was able to comprehend everything using this composed e ebook. I am pleased to inform you that here is the finest publication i have study inside my individual daily life and might be he very best pdf for actually.*  
*(Brielle Hilpert)*

## SEAL INVESTIGATIONS OF AN ACTIVE CLEARANCE CONTROL SYSTEM CONCEPT



To get **Seal Investigations of an Active Clearance Control System Concept** eBook, you should access the web link under and save the document or have accessibility to additional information that are highly relevant to SEAL INVESTIGATIONS OF AN ACTIVE CLEARANCE CONTROL SYSTEM CONCEPT ebook.

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. In an effort to improve upon current thermal active clearance control methods, a first generation, fast-acting mechanically actuated, active clearance control system has been designed and installed into a non-rotating test rig. In order to harvest the benefit of tighter blade tip clearances, low-leakage seals are required for the actuated carrier segments of the seal shroud to prevent excessive leakage of compressor discharge (P3) cooling air. The test rig was designed and fabricated to facilitate the evaluation of these types of seals, identify seal leakage sources, and test other active clearance control system concepts. The objective of this paper is to present both experimental and analytical investigations into the nature of the face-seal to seal-carrier interface. Finite element analyses were used to examine face seal contact pressures and edge-loading under multiple loading conditions, varied E-seal positions and two new face seal heights. The analyses indicated that moving the E-seal inward radially and reducing face seal height would lead to more uniform contact conditions between the face seal and the carriers. Lab testing confirmed that moving the balance diameter inward radially caused a decrease in overall system leakage. This item ships from La Vergne, TN. Paperback.



**Read Seal Investigations of an Active Clearance Control System Concept Online**

**Download PDF Seal Investigations of an Active Clearance Control System Concept**

## See Also



---

**[PDF] Molly on the Shore, BFMS 1 Study score**

Follow the hyperlink listed below to read "Molly on the Shore, BFMS 1 Study score" file.

**[Read eBook »](#)**



---

**[PDF] Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire**

Follow the hyperlink listed below to read "Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire" file.

**[Read eBook »](#)**



---

**[PDF] Yearbook Volume 15**

Follow the hyperlink listed below to read "Yearbook Volume 15" file.

**[Read eBook »](#)**



---

**[PDF] When Santa Claus Prayed**

Follow the hyperlink listed below to read "When Santa Claus Prayed" file.

**[Read eBook »](#)**



---

**[PDF] Memoirs of Robert Cary, Earl of Monmouth**

Follow the hyperlink listed below to read "Memoirs of Robert Cary, Earl of Monmouth" file.

**[Read eBook »](#)**



---

**[PDF] Aeschylus**

Follow the hyperlink listed below to read "Aeschylus" file.

**[Read eBook »](#)**