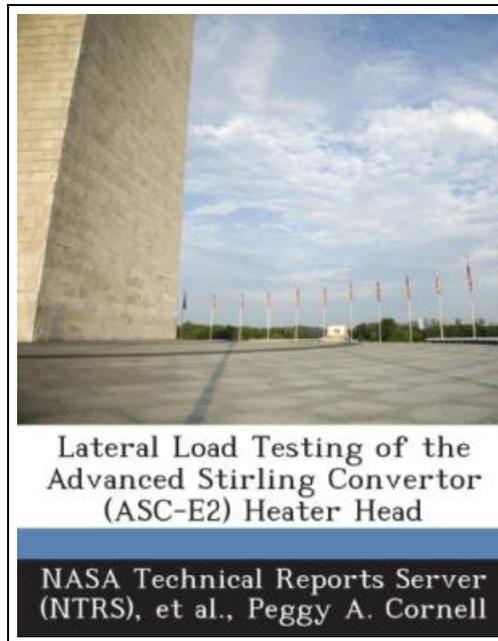


## Lateral Load Testing of the Advanced Stirling Convertor (Asc-E2) Heater Head



Filesize: 4.29 MB

### **Reviews**

*Very useful to all group of folks. This really is for all who statte there was not a worthy of reading. I am very happy to explain how this is the best pdf i have study inside my personal life and can be he greatest book for actually.*  
*(Marcelle Homenick)*

## LATERAL LOAD TESTING OF THE ADVANCED STIRLING CONVERTOR (ASC-E2) HEATER HEAD

[DOWNLOAD](#)

To read **Lateral Load Testing of the Advanced Stirling Convertor (Asc-E2) Heater Head** PDF, make sure you refer to the hyperlink listed below and download the ebook or get access to other information which might be have conjunction with LATERAL LOAD TESTING OF THE ADVANCED STIRLING CONVERTOR (ASC-E2) HEATER HEAD ebook.

Bibliogov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 20 pages. Dimensions: 9.7in. x 7.4in. x 0.0in. Free-piston Stirling convertors are fundamental to the development of NASA s next generation of radioisotope power system, the Advanced Stirling Radioisotope Generator (ASRG). The ASRG will use General Purpose Heat Source (GPHS) modules as the energy source and Advanced Stirling Convertors (ASCs) to convert heat into electrical energy, and is being developed by Lockheed Martin under contract to the Department of Energy. Achieving flight status mandates that the ASCs satisfy design as well as flight requirements to ensure reliable operation during launch. To meet these launch requirements, GRC performed a series of quasi-static mechanical tests simulating the pressure, thermal, and external loading conditions that will be experienced by an ASC-E2 heater head assembly. These mechanical tests were collectively referred to as lateral load tests since a primary external load lateral to the heater head longitudinal axis was applied in combination with the other loading conditions. The heater head was subjected to the operational pressure, axial mounting force, thermal conditions, and axial and lateral launch vehicle acceleration loadings. To permit reliable prediction of the heater head s structural performance, GRC completed Finite Element Analysis (FEA) computer modeling for the stress, strain, and deformation that will result during launch. The heater head lateral load test directly supported evaluation of the analysis and validation of the design to meet launch requirements. This paper provides an overview of each element within the test and presents assessment of the modeling as well as experimental results of this task. This item ships from La Vergne, TN. Paperback.



[Read Lateral Load Testing of the Advanced Stirling Convertor \(Asc-E2\) Heater Head Online](#)



[Download PDF Lateral Load Testing of the Advanced Stirling Convertor \(Asc-E2\) Heater Head](#)

## Other eBooks



**[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Access the hyperlink below to download "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications." document.

[Save Book »](#)



**[PDF] Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America**

Access the hyperlink below to download "Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America" document.

[Save Book »](#)



**[PDF] Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade**

Access the hyperlink below to download "Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade" document.

[Save Book »](#)



**[PDF] Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade**

Access the hyperlink below to download "Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade" document.

[Save Book »](#)



**[PDF] Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners**

Access the hyperlink below to download "Learn the Nautical Rules of the Road: An Expert Guide to the COLREGs for All Yachtsmen and Mariners" document.

[Save Book »](#)



**[PDF] History of the Town of Sutton Massachusetts from 1704 to 1876**

Access the hyperlink below to download "History of the Town of Sutton Massachusetts from 1704 to 1876" document.

[Save Book »](#)