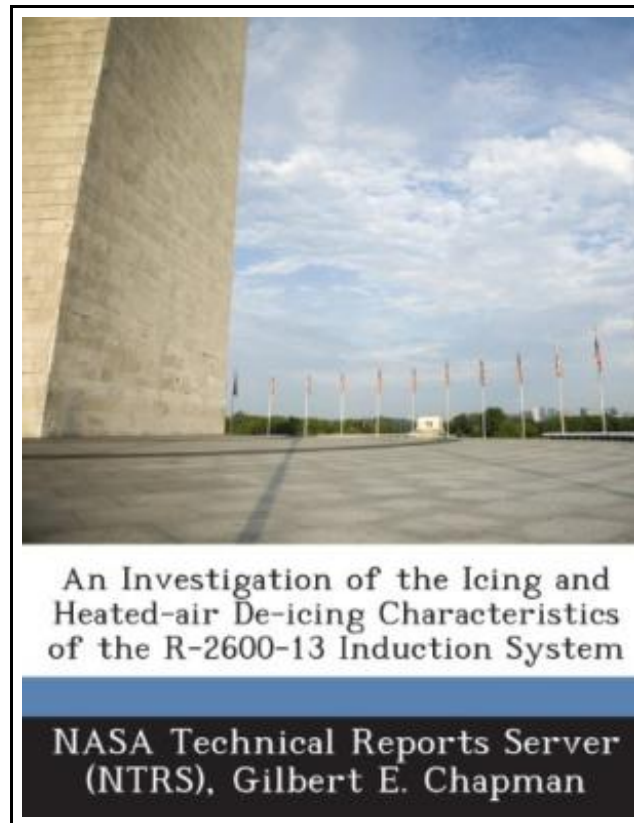


An Investigation of the Icing and Heated-Air de-Icing Characteristics of the R-2600-13 Induction System



Filesize: 3.42 MB

Reviews

If you need to adding benefit, a must buy book. It really is writter in straightforward words and phrases rather than difficult to understand. Your life period is going to be change the instant you total reading this ebook.

(Letha Okuneva)

AN INVESTIGATION OF THE ICING AND HEATED-AIR DE-ICING CHARACTERISTICS OF THE R-2600-13 INDUCTION SYSTEM



To download **An Investigation of the Icing and Heated-Air de-Icing Characteristics of the R-2600-13 Induction System** PDF, please follow the button below and download the ebook or have access to additional information which might be relevant to AN INVESTIGATION OF THE ICING AND HEATED-AIR DE-ICING CHARACTERISTICS OF THE R-2600-13 INDUCTION SYSTEM ebook.

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.A laboratory investigation was made on a Holley 1685-HB carburetor mounted on an R-2600-13 supercharger assembly to determine the icing characteristics and the heated-air de-icing requirements of this portion of the B-25D airplane induction system. Icing has been found to be most prevalent at relatively small throttle openings and, consequently, all runs were made at simulated 60-percent normal rated power condition. Icing characteristics were determined during a series of 15-minute runs over a range of inlet-air conditions. For the de-icing investigation severe impact ice was allowed to form in the induction system and the time required for the recovery of 95 percent of the maximum possible air flow at the original throttle setting was then determined for a range of wet-bulb temperatures. Results of these runs showed that ice on the walls of the carburetor adapter and on the rim of the impeller-shroud portion of the supercharger diffuser plate did not affect engine operation at 60-percent normal rated power. Ice that adversely affected the air flow and the fuel-air ratio was formed only on the central web of the carburetor and then only when the inlet air was saturated or contained free moisture in excess of saturation. No serious ice formations were observed at inlet-air temperatures above 66 0 F or with an inlet-air enthalpy greater than 34 Btu per pound. The maximum temperature at. which any trace of icing could be detected was 1110 F with a relative humidity of approximately 28 percent, The air-flow recovery time for emergency de-icing was 0.3 minute for.an enthalpy of 35 Btu per pound or wet-bulb temperature of 68 0 F. Further increase in enthalpy and wet-bulb temperature above these values...

 [Read An Investigation of the Icing and Heated-Air de-Icing Characteristics of the R-2600-13 Induction System Online](#)

 [Download PDF An Investigation of the Icing and Heated-Air de-Icing Characteristics of the R-2600-13 Induction System](#)

Relevant Books



[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 web link under to read "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 ." PDF document.

[Download eBook »](#)



[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Access the web link under to read "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers" PDF document.

[Download eBook »](#)



[PDF] The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574)

Access the web link under to read "The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574)" PDF document.

[Download eBook »](#)



[PDF] Variations on an Original Theme Enigma , Op. 36: Study Score

Access the web link under to read "Variations on an Original Theme Enigma , Op. 36: Study Score" PDF document.

[Download eBook »](#)



[PDF] Symphony No.2 Little Russian (1880 Version), Op.17: Study Score

Access the web link under to read "Symphony No.2 Little Russian (1880 Version), Op.17: Study Score" PDF document.

[Download eBook »](#)



[PDF] Southern Educational Review Volume 3

Access the web link under to read "Southern Educational Review Volume 3" PDF document.

[Download eBook »](#)