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Documentation Sheet

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Title : Development of Experimental Techniques to determine the Aerodynamic Performance of Helicopter Rotors in Hover and Forward Flight - Closure Report for AR & DB Project AE-0-154

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Contents

Pages 1 - 28 Figures
19

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Keywords : Helicopter Rotor Models, Rotor Aerodynamic Performance, Development of Experimental Techniques.

Abstract : The details of teetering rotor model and the associated strain gauge balance and calibration fixtures have been presented. Hovering results for 1.22 m diameter teetering rotor model evaluated experimentally have been compared with the simple blade element - momentum theory.