



U.S. Department
of Transportation

**Federal Aviation
Administration**
OCT 05 2006

Mr. Andrew D. Moore
Executive Director
National Agricultural Aviation Association
1005 E Street, SE
Washington, DC 20003-2847

Small Airplane Directorate
Aircraft Certification Office
1895 Phoenix Boulevard
One Crown Center, Suite 450
Atlanta, Georgia 30349

Dear Mr. Moore:

Enclosed is an Airworthiness Concern Sheet (ACS) for the Thrush (Ayres/Rockwell/Aero Commander) S2D and S2R series agricultural airplanes. The ACS is a way for Federal Aviation Administration (FAA) engineers to convey known airworthiness concerns to aircraft owner/operators through associations and type clubs. The FAA endorses the dissemination of this information. We request that you distribute this airworthiness concern to those in your membership that may be impacted, or may have pertinent information, for technical and economic impact comments.

The FAA's analysis of fatigue cracks in the lower spar caps of these airplanes brought these concerns to our attention. At this time, the FAA has not made a determination on what type of corrective action (if any) should be taken. The resolution of this airworthiness concern could involve AD action, or the FAA could determine that a Special Airworthiness Information Bulletin is all that is needed. The Risk Assessment was developed prior to AD 2006-07-15 and was sent to you earlier this year. Please review the enclosed Airworthiness Concern Sheet and provide comments concerning our initial determination. The FAA's final determination will depend in part on the information received in response to the Airworthiness Concern Sheet.

Please provide your association/type club comments to this office within 30 days. Please contact Cindy Lorenzen with questions or comments at (770)703-6078, fax (770)703-6097, (e-mail address: cindy.lorenzen@faa.gov).

Sincerely,

Melvin D. Taylor
Manager, Atlanta Aircraft
Certification Office

Enclosure: ACS

cc: A4SW Type Certificate Holder Thrush Aircraft
Aircraft Owners and Pilots Association