

Fairchild (Swearingen) SA226 and SA227 Series Aeroplanes

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**AD/SWSA226/62**

**Propeller Blade Separation**

**9/91**

**Applicability:** Hartzell model HC-B3TN-5C ( )/T10282 installed on Swearingen SA226-TC or SA226-AT aircraft, with Garrett TPE 331-1OUA engines, which have been modified by Airesearch Aviation Company STC SA344GL or either Par Air or Superior Aircraft Inc STC SA 4872SW.

**Requirement:** Action in accordance with Hartzell Service Bulletin No 161A.

*Note 1: FAA AD 86-05-12 and 88-24-15 refer.*

*Note 2: Propellers fitted with T10282N blades are exempt from the requirements of this directive.*

**Compliance:** Prior to issue of a Certificate of Airworthiness or upon incorporation of Airesearch Aviation Company STC SA 344GL-D or Par Air or Superior Aircraft Inc STC SA 4872SW. Re-inspect at intervals not exceeding 500 hours time in service.

Before installation on an aircraft unless previously accomplished within the preceding 500 hours time in service.

**Background:** Due to increased torque of which the subject engines are capable, the significance of scratches, scrapes, tool marks and/or corrosion pits in the pilot tube bore area is increased to the degree that fatigue failure causing blade separation is possible. The repetitive inspection now required on all S/No blades is now not required for a specific P/N blade due to its improved design characteristics.

This Directive is raised to incorporate the propeller inspection in the aircraft series.