

Brief of Accident (Continued)

CHI90FA117
File No. 1587 04/24/1990 WEST BEND, WI Aircraft Reg No. N2976R Time (Local): 13:50 CDT

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: OTHER

Findings

1. (C) WING,WING ATTACHMENT FITTING - FATIGUE
 2. (C) INADEQUATE QUALITY CONTROL - MANUFACTURER
 3. (C) WING,WING ATTACHMENT FITTING - FAILURE,TOTAL
 4. (C) WING - SEPARATION
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings Legend: (C) = Cause, (F) = Factor

The National Transportation Safety Board determines the probable cause(s) of this accident as follows.

INFLIGHT FAILURE OF THE RIGHT WING STRUT-TO-SPAR ATTACHMENT FITTING DUE TO FATIGUE INITIATED BY IMPROPER WELDING TECHNIQUES INVOLVING INADEQUATE POST-WELD COOLING CONTROL.