



National Transportation Safety Board Aviation Accident Final Report

Location:	White Plains, AL	Accident Number:	NYC08CA058
Date & Time:	12/08/2007, 1430 CST	Registration:	N43682
Aircraft:	Fisher Aero Celebrity	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

During cruise flight, the pilot of an amateur built airplane noticed that the airplane began to vibrate. He applied carburetor heat, and then checked the magnetos to see if they were functioning properly, but the vibration persisted. Moments later, the vibration became worse, and the wooden propeller came apart. The pilot shut down the engine and made a forced landing in a field. After touchdown, the landing gear collapsed, and the airplane received substantial damage. The pilot had recently purchased the airplane, and had flown it for approximately 55 minutes prior to the accident. According to the pilot, the airplane's original logbooks had been misplaced, and new ones were begun prior to the sale. The airplane's total time in service was estimated to be 190 hours. No entries regarding propeller inspections or propeller maintenance were noted in the new logbooks.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A propeller failure during cruise flight.

Findings

Occurrence #1: PROPELLER FAILURE/MALFUNCTION

Phase of Operation: CRUISE

Findings

1. (C) PROPELLER SYSTEM/ACCESSORIES - DISINTEGRATED

Occurrence #2: FORCED LANDING

Phase of Operation: EMERGENCY DESCENT/LANDING

Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: EMERGENCY LANDING

Findings

2. TERRAIN CONDITION - PLOWED/FURROWED

Factual Information

Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	67, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Rear
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 With Waivers/Limitations	Last FAA Medical Exam:	09/01/2004
Occupational Pilot:		Last Flight Review or Equivalent:	09/01/2006
Flight Time:	11423 hours (Total, all aircraft), 2 hours (Total, this make and model), 7824 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Fisher Aero	Registration:	N43682
Model/Series:	Celebrity	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	AV-1020
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	06/01/2007, Condition	Certified Max Gross Wt.:	1100 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	190 Hours as of last inspection	Engine Manufacturer:	Continental
ELT:	Installed, not activated	Engine Model/Series:	C85-12
Registered Owner:	On file	Rated Power:	85 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ANB, 612 ft msl	Distance from Accident Site:	16 Nautical Miles
Observation Time:	1453 CST	Direction from Accident Site:	360°
Lowest Cloud Condition:		Visibility	10 Miles
Lowest Ceiling:	Broken / 3100 ft agl	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	230°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.25 inches Hg	Temperature/Dew Point:	23° C / 18° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Jacksonville, AL (3AL5)	Type of Flight Plan Filed:	None
Destination:	(3AL5)	Type of Clearance:	None
Departure Time:	1422 CST	Type of Airspace:	

Airport Information

Airport:	Runway Surface Type:
Airport Elevation:	Runway Surface Condition:
Runway Used:	IFR Approach:
Runway Length/Width:	VFR Approach/Landing: Forced Landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	33.716944, -85.820833

Administrative Information

Investigator In Charge (IIC):	Todd G Gunther	Report Date:	02/28/2008
Additional Participating Persons:	Joe Arvay; FAA/FSDO; Birmingham, AL		
Publish Date:			
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).