



National Transportation Safety Board Aviation Accident Final Report

Location:	FOND DU LAC, WI	Accident Number:	CHI89FA155
Date & Time:	08/01/1989, 0911 CDT	Registration:	N385L
Aircraft:	LANCAIR 235	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal

Flight Conducted Under: Part 91: General Aviation -

Analysis

THE PRIVATE RATED PILOT WAS GIVING A PILOT-RATED PASSENGER A DEMONSTRATION FLIGHT IN THE AMATEUR BUILT AIRCRAFT. ACCORDING TO WITNESSES, THE AIRCRAFT WAS IN THE TRAFFIC PATTERN ON A TURN FROM BASE LEG TO FINAL APPROACH, WHEN IT DEPARTED CONTROLLED FLIGHT, ENTERED A SPIN, AND IMPACTED THE TERRAIN.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FAILURE OF THE PILOT-IN-COMMAND TO ASSURE THAT ADEQUATE AIRSPEED WAS MAINTAINED DURING THE TURN TO FINAL APPROACH, WHICH RESULTED IN AN INADVERTENT STALL/SPIN.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: APPROACH - VFR PATTERN - BASE LEG/BASE TO FINAL

Findings

1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
2. (C) STALL/SPIN - INADVERTENT - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Private	Age:	43, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):		Toxicology Performed:	Yes
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	10/13/1988
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	1650 hours (Total, all aircraft), 350 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	LANCAIR	Registration:	N385L
Model/Series:	235 235	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:		Serial Number:	001-85
Landing Gear Type:	Retractable - Tricycle	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	1400 lbs
Time Since Last Inspection:	0 Hours	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:		Engine Model/Series:	O-235-C1
Registered Owner:	NEICO AVIATION, INC.	Rated Power:	118 hp
Operator:	NEICO AVIATION, INC.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	OSH, 808 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	1356 CDT	Direction from Accident Site:	360°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	3 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	230°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	23° C / 17° C
Precipitation and Obscuration:			
Departure Point:	(FLD)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	VFR
Departure Time:	0900 CDT	Type of Airspace:	

Airport Information

Airport:	FOND DU LAC COUNTY (FLD)	Runway Surface Type:	Asphalt
Airport Elevation:	809 ft	Runway Surface Condition:	Dry
Runway Used:	36	IFR Approach:	None
Runway Length/Width:	5560 ft / 75 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	DAY	WATERMAN	Report Date:	07/28/1992
Additional Participating Persons:				
Publish Date:				
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .			

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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](#).