



National Transportation Safety Board Aviation Accident Factual Report

Location:	Jacksonville, FL	Accident Number:	MIA02LA122
Date & Time:	07/01/2002, 1120 EDT	Registration:	N1693A
Aircraft:	Piper PA-22-20	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None

Flight Conducted Under: Part 91: General Aviation - Instructional

On July 1, 2002, about 1120, eastern daylight time, a Piper PA-22-20, N1693A, registered to and operated by a private individual as a Title 14 CFR Part 91 training flight, crashed during takeoff at Cecil Field, Jacksonville, Florida. Visual meteorological conditions prevailed and no flight plan was filed. The airplane incurred substantial damage, and the student-rated pilot and a commercial-rated flight instructor received no injuries. The flight originated from Herlong Airport, Jacksonville, Florida, the same day, about 1114.

The student pilot/owner stated that he possesses a current solo endorsement to operate the accident airplane, and that a flight instructor who had never received a tail wheel endorsement was with him in the airplane when the accident occurred. He further stated that he had performed a touch-and-go landing which had been uneventful, and as he was taking off, the airplane initially tracked along the centerline of the runway, but as it accelerated to about 45 or 50 knots it began to "weather vane" toward the right edge of the runway. He said he retarded the throttle to idle and applied left rudder control input, but rudder effectiveness was reduced and the airplane continued to veer to the right, where it collided with a runway edge light, swung around, and incurred damage to the left wing, left elevator, and horizontal stabilizer.

The flight instructor said that he also tried to apply rudder control input when the airplane started to veer from the centerline of the runway, but that the aircraft turned through an arc of 180 degrees within about 5 to 8 seconds, and his attempts to maintain directional control were unsuccessful.

Both occupants of the accident airplane said that prior to the accident there had been no mechanical failure or malfunction to the airplane or to any of its systems.

Student Pilot Information

Certificate:	Student	Age:	50, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	05/22/2001
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	71 hours (Total, all aircraft), 22 hours (Total, this make and model), 25 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Flight Instructor Information

Certificate:	Flight Instructor; Commercial	Age:	30, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	08/06/2001
Occupational Pilot:		Last Flight Review or Equivalent:	12/10/2001
Flight Time:	1270 hours (Total, all aircraft), 0 hours (Total, this make and model), 1090 hours (Pilot In Command, all aircraft), 120 hours (Last 90 days, all aircraft), 40 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N1693A
Model/Series:	PA-22-20	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	22-449
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	08/01/2001, Annual	Certified Max Gross Wt.:	1800 lbs
Time Since Last Inspection:	46.4 Hours	Engines:	1 Reciprocating
Airframe Total Time:	2263.6 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-290-D
Registered Owner:	Kenneth F. Harp	Rated Power:	125 hp
Operator:	Kenneth F. Harp	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	VQQ, 81 ft msl	Distance from Accident Site:	
Observation Time:	1048 EDT	Direction from Accident Site:	
Lowest Cloud Condition:	Few / 2000 ft agl	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.17 inches Hg	Temperature/Dew Point:	28°C / 21°C
Precipitation and Obscuration:			
Departure Point:	Jacksonville, FL (HEG)	Type of Flight Plan Filed:	None
Destination:	Jacksonville, FL (VQQ)	Type of Clearance:	Unknown
Departure Time:	1114 EDT	Type of Airspace:	Class D

Airport Information

Airport:	Cecil Field Airport (VQQ)	Runway Surface Type:	Asphalt; Concrete
Airport Elevation:	81 ft	Runway Surface Condition:	Dry
Runway Used:	36L	IFR Approach:	None
Runway Length/Width:	8000 ft / 200 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	30.218611, -81.876667

Administrative Information

Investigator In Charge (IIC):	John W Lovell
Additional Participating Persons:	Alan Nemcik; FAA FSDO; Orlando, FL
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/ .