



National Transportation Safety Board Aviation Accident Final Report

Location:	STONEVILLE, NC	Accident Number:	MIA99LA211
Date & Time:	08/01/1999, 1026 EDT	Registration:	N9169E
Aircraft:	Mooney M-20R	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot stated that he proceeded to Rockingham County Shiloh Airport to practice landings before going on to Greensboro, North Carolina. During the second landing, the aircraft bounced twice, and upon the subsequent go-around attempt he lost directional control and the aircraft struck hangars and was substantially damaged.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's failure to maintain airspeed, and adequately compensate for torque and P-factor, resulting in the loss of directional control, collision with hangars, and substantial damage to the aircraft during the attempted go around/recovery from a landing.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: GO-AROUND (VFR)

Findings

1. (C) RECOVERY FROM BOUNCED LANDING - INADEQUATE - PILOT IN COMMAND
2. GO-AROUND - INITIATED - PILOT IN COMMAND
3. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
4. (C) TORQUE/P-FACTOR - MISJUDGED - PILOT IN COMMAND
5. DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: GO-AROUND (VFR)

Findings

6. OBJECT - HANGAR/AIRPORT BUILDING

Factual Information

On August 1, 1999, about 1026 eastern daylight time, a Mooney M-20R, N9169E, registered to a private owner, operated as a 14 CFR Part 91 personal flight, crashed on landing at Rockingham County Shiloh Airport, Stoneville, North Carolina. Visual meteorological conditions prevailed and no flight plan was filed. The airplane was substantially damaged, but there were no injuries. The flight originated from Moneta, Virginia, the same day, about 0930, and was proceeding to Greensboro, North Carolina, at the time of the accident.

The pilot stated that he decided to practice landings at Rockingham County Shiloh Airport before going on to Greensboro, North Carolina. The first landing was uneventful, but during the second landing, the aircraft bounced twice. When full power was applied to initiate the go around after the second bounce, the pilot stated that he lost directional control and the aircraft banked to the left, collided with hangars, and incurred substantial damage.

Pilot Information

Certificate:	Private	Age:	52, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	02/02/1999
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	426 hours (Total, all aircraft), 18 hours (Total, this make and model), 362 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Mooney	Registration:	N9169E
Model/Series:	M-20R M-20R	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	29-0149
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	04/22/1999, Annual	Certified Max Gross Wt.:	3368 lbs
Time Since Last Inspection:	8 Hours	Engines:	1 Reciprocating
Airframe Total Time:	89 Hours	Engine Manufacturer:	Continental
ELT:	Installed, not activated	Engine Model/Series:	IO-550G
Registered Owner:	MICHAEL D. BROCK	Rated Power:	280 hp
Operator:	MICHAEL D. BROCK	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	GSO, 926 ft msl	Distance from Accident Site:	21 Nautical Miles
Observation Time:	1135 EDT	Direction from Accident Site:	205°
Lowest Cloud Condition:	Scattered / 13000 ft agl	Visibility	9 Miles
Lowest Ceiling:	Broken / 25000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	31 °C / 23 °C
Precipitation and Obscuration:			
Departure Point:	MONETA, VA (W91)	Type of Flight Plan Filed:	None
Destination:	GREENSBORO, NC (GSO)	Type of Clearance:	None
Departure Time:	0930 EDT	Type of Airspace:	Class G

Airport Information

Airport:	ROCKINGHAM COUNTY SHILOH (N45)	Runway Surface Type:	Asphalt
Airport Elevation:	693 ft	Runway Surface Condition:	Dry
Runway Used:	31	IFR Approach:	None
Runway Length/Width:	5199 ft / 100 ft	VFR Approach/Landing:	Full Stop

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:	

Administrative Information

Investigator In Charge (IIC):	JOHN W LOVELL	Report Date:	09/12/2000
Additional Participating Persons:	TONY W BERNHARDT; WINSTON-SALEM, NC		
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/ .		

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