



Aviation Investigation Final Report

Location:	PICKENS, South Carolina	Accident Number:	ATL93LA020
Date & Time:	October 31, 1992, 15:30 Local	Registration:	N9861M
Aircraft:	MAULE M4-210C	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT HAD COMPLETED THREE LANDINGS AND WAS ATTEMPTING A TAKEOFF WHEN THE ENGINE FAILED TO DEVELOP TAKEOFF POWER. THE PILOT ELECTED TO ABORT THE TAKEOFF ABOUT 3300 FEET INTO THE TAKEOFF ROLL. AS THE PILOT APPLIED BRAKING, THE AIRPLANE NOSED OVER. AFTER THE ACCIDENT, THE PILOT NOTICED THAT THE PROPELLER CONTROL LEVER WAS IN THE MID RANGE POSITION. ACCORDING TO THE AIRCRAFT CHECKLIST, THE PILOT IS INSTRUCTED TO PLACE THE PROPELLER CONTROL LEVER IN THE FULL FORWARD POSITION BEFORE TAKEOFF. NO MECHANICAL PROBLEMS WERE REPORTED BY THE PILOT.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO FOLLOW NORMAL BEFORE TAKEOFF PROCEDURES WHICH INCLUDED PLACING THE PROPELLER LEVER IN THE HIGH RPM LOW PITCH POSITION. THE PILOT ALSO DELAYED IN ABORTING THE TAKEOFF ATTEMPT AND APPLIED HARD BRAKING WHICH RESULTED IN A NOSE OVER.

Findings

Occurrence #1: NOSE OVER
Phase of Operation: TAKEOFF - ABORTED

Findings

1. (C) PROPELLER - IMPROPER USE OF - PILOT IN COMMAND
2. (C) CHECKLIST - NOT FOLLOWED - PILOT IN COMMAND
3. (C) REMEDIAL ACTION - DELAYED - PILOT IN COMMAND
4. (C) BRAKES(NORMAL) - EXCESSIVE - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Private	Age:	54,Female
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	March 27, 1992
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	232 hours (Total, all aircraft), 29 hours (Total, this make and model), 154 hours (Pilot In Command, all aircraft), 23 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	MAULE	Registration:	N9861M
Model/Series:	M4-210C M4-210C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	1058C
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	June 15, 1992 Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:	101 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	1815 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	IO-360D
Registered Owner:	ABBOTT, DAVID W.	Rated Power:	210 Horsepower
Operator:	ABBOTT, DAVID W.	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	GSP ,972 ft msl	Distance from Accident Site:	30 Nautical Miles
Observation Time:	15:45 Local	Direction from Accident Site:	120°
Lowest Cloud Condition:	Scattered / 5000 ft AGL	Visibility	20 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	23°C / 13°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(LQK)	Type of Flight Plan Filed:	None
Destination:	(LQK)	Type of Clearance:	None
Departure Time:	14:45 Local	Type of Airspace:	Class G

Airport Information

Airport:	PICKENS COUNTY LQK	Runway Surface Type:	Grass/turf
Airport Elevation:	1012 ft msl	Runway Surface Condition:	Dry
Runway Used:	23	IFR Approach:	None
Runway Length/Width:	5000 ft / 50 ft	VFR Approach/Landing:	Touch and go

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	34.880546,-82.699302(est)

Administrative Information

Investigator In Charge (IIC):	Powell, Phillip
Additional Participating Persons:	BOB BALKCUM; COLUMBIA , SC
Original Publish Date:	June 21, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=8701

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