



Aviation Investigation Final Report

Location:	ATHENS, Georgia	Accident Number:	ATL87DKG03
Date & Time:	April 30, 1987, 08:45 Local	Registration:	N6752T
Aircraft:	CESSNA 310D	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

THE ACFT WAS REPORTEDLY STALLED ABOUT 30 FT ABOVE THE RWY AND A HARD LDG WAS MADE. THE MULTI-ENG RATED PLT WAS PRACTICING SHORT-FIELD LDGS UNDER THE INSTRUCTION OF A CFI IN PREPARATION FOR OBTAINING COMMERCIAL CERTIFICATE. THE ACFT WINGS AND FUSELAGE SUSTAINED STRUCTURAL DAMAGE. THE PLT REPORTED THAT THE CFI URGED HIM TO GO SLOWER THAN HE FELT WAS PRUDENT AND HE RELUCTANTLY COMPLIED. HE INDICATED THAT HE WAS FLYING THE ACFT BASED ON AIRSPEED INDICATIONS IN MPH. THE CFI REPORTED THAT HE TOLD THE PLT TO SLOW THE ACFT TO 76 KTS AND THAT HE BELIEVED THE PLT REDUCED THE SPEED TO 76 MPH. THE AIRSPEED INDICATOR REPORTEDLY INDICATED IN BOTH KTS AND MPH. THE CFI REPORTEDLY HAD 37 HRS TOTAL FLT TIME IN THIS MAKE & MODEL. AN FAA INSPECTOR REPORTED THAT THE ACFT STALL WARNING SYSTEM WAS INOPERATIVE AND THAT THE PLT, WHO WAS ALSO THE ACFT OWNER, WAS AWARE OF IT. NEITHER THE CFI NOR PLT REPORTED THE ACCIDENT; THE FAA LATER LEARNED OF THE ACCIDENT FROM A 3RD PARTY.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) CREW/GROUP BRIEFING - INADEQUATE - PILOT IN COMMAND(CFI)
2. (F) INSTRUCTIONS, WRITTEN/VERBAL - NOT UNDERSTOOD - DUAL STUDENT
3. (C) AIRSPEED(VREF) - NOT MAINTAINED - DUAL STUDENT
4. (F) IMPROPER USE OF PROCEDURE - DUAL STUDENT
5. (F) OPERATION WITH KNOWN DEFICIENCIES IN EQUIPMENT - IMPROPER - DUAL STUDENT
6. (C) STALL - INADVERTENT - DUAL STUDENT
7. (C) REMEDIAL ACTION - DELAYED - PILOT IN COMMAND(CFI)

Factual Information

Pilot Information

Certificate:	Private	Age:	41, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	June 3, 1986
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	1159 hours (Total, all aircraft), 83 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N6752T
Model/Series:	310D 310D	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	39052
Landing Gear Type:	Retractable - Tricycle	Seats:	5
Date/Type of Last Inspection:	October 15, 1986 Annual	Certified Max Gross Wt.:	4830 lbs
Time Since Last Inspection:	400 Hrs	Engines:	2 Reciprocating
Airframe Total Time:	4344 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	IO-470 D
Registered Owner:	ROBERT SHIELDS	Rated Power:	260 Horsepower
Operator:	ROBERT SHIELDS	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:	AHN ,807 ft msl	Distance from Accident Site:	
Observation Time:	08:45 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	90°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	21°C / -18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	08:45 Local	Type of Airspace:	Class D;Class E

Airport Information

Airport:	ATHENS MUNICIPAL AHN	Runway Surface Type:	Asphalt
Airport Elevation:	807 ft msl	Runway Surface Condition:	Dry
Runway Used:	9	IFR Approach:	None
Runway Length/Width:	4989 ft / 100 ft	VFR Approach/Landing:	Touch and go;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	34.019191,-83.450012(est)

Administrative Information

Investigator In Charge (IIC):	Wachsler, H
Additional Participating Persons:	JACK SOMERFIELD; ATLANTA , GA
Original Publish Date:	May 2, 1988
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=7240

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