



National Transportation Safety Board Aviation Accident Final Report

Location:	ADDISON, TX	Accident Number:	FTW86FA133
Date & Time:	07/19/1986, 1150 CDT	Registration:	N6VR
Aircraft:	CESSNA 421	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	4 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

WITNESSES REPORTED A NORMAL TAKEOFF AND CLIMB WAS MADE TO AN ALT OF APRX 400 FT AGL AT WHICH TIME ENG PWR CEASED/ DECREASED. THE RT WING THEN DROPPED, THE NOSE AND LT WING ROSE AND THE ACFT ENTERED A NEAR VERTICAL DESCENT TO GROUND IMPACT. POST ACCIDENT EXAM OF THE ENGS AND TURBOCHARGERS FAILED TO DISCLOSE ANY PRE-IMPACT FAILURES. EXAM OF THE PROP GOVENORS DISCLOSED AN RPM SETTING BELOW TAKEOFF OR CLIMB PWR; HOWEVER, EXACT RPM SETTING COULD NOT BE DETERMINED. THE PLT HAD RECENTLY PURCHASED THIS ACFT AND MOST OF HIS MULTI-ENGINE EXPERIENCE WAS IN BEECH BARONS. THE THROTTLE QUADRANT LOCATION OF THE THROTTLE AND PROP CONTROLS ON THE BARON ARE IN THE REVERSE POSITION OF THOSE ON THE C-421. THE PLT ALSO HAD NOT BEEN CHECK OUT IN THE C-421.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) PROPELLER - REDUCED - PILOT IN COMMAND
2. (C) IMPROPER TRANSITION/UPGRADE TRAINING - PILOT IN COMMAND
3. (F) LACK OF RECENT EXPERIENCE IN TYPE OF AIRCRAFT - PILOT IN COMMAND
4. (C) AIRSPEED(VS) - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Occurrence #3: FIRE

Phase of Operation: OTHER

Factual Information

Pilot Information

Certificate:	Private	Age:	36, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	06/25/1986
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	750 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N6VR
Model/Series:	421 421	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	421-0027
Landing Gear Type:	Retractable - Tricycle	Seats:	8
Date/Type of Last Inspection:	05/19/1986, Annual	Certified Max Gross Wt.:	6800 lbs
Time Since Last Inspection:	23 Hours	Engines:	2 Reciprocating
Airframe Total Time:	2896 Hours	Engine Manufacturer:	CONTINENTAL
ELT:		Engine Model/Series:	GTSIO-520-D
Registered Owner:	DAVID D. WEAVER	Rated Power:	375 hp
Operator:	DAVID D. WEAVER	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	ADS, 643 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1152 CDT	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	20 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	35° C / 20° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	IFR
Destination:	ATLANTA, GA (PDK)	Type of Clearance:	IFR
Departure Time:	1149 CDT	Type of Airspace:	Class D

Airport Information

Airport:	ADDISON (ADS)	Runway Surface Type:	
Airport Elevation:	0 ft	Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	3 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	J. O JOHNSON	Report Date:	
Additional Participating Persons:	THOMAS E BLAKE; DALLAS, TX		
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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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](#).