



Aviation Investigation Final Report

Location:	CHANDLER, Arizona	Accident Number:	LAX92FA211
Date & Time:	May 19, 1992, 12:59 Local	Registration:	N26535
Aircraft:	TAYLORCRAFT BL	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT AND PASSENGER WERE DEPARTING ON A PERSONAL FLIGHT IN THE LOCAL AREA. WITNESSES OBSERVED THE AIRPLANE LIFT OFF AND THEN FLY THE REMAINING LENGTH OF THE RUNWAY AT AN ALTITUDE OF ABOUT 10 FEET AGL. AT THE DEPARTURE END OF THE RUNWAY, THE AIRPLANE ROTATED INTO A NEAR VERTICAL CLIMB TO ABOUT 300 FEET AGL. THE AIRPLANE THEN STALLED AND DESCENDED TO THE GROUND WITH A ONE TURN SPIN TO THE LEFT, STRIKING THE EDGE OF AN IRRIGATION DITCH. THE AIRPLANE HAD A MODIFIED AIRSPEED PITOT/STATIC SYSTEM.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: AN EXCESSIVE PULL-UP DURING DEPARTURE AND A FAILURE OF THE PILOT TO MAINTAIN ADEQUATE AIRSPEED, RESULTING IN AN INADVERTENT STALL/SPIN. CONTRIBUTING TO THE ACCIDENT WAS CONTINUED FLIGHT OPERATIONS WITH KNOWN AIRWORTHINESS DEFICIENCIES.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) PITOT/STATIC SYSTEM - INCORRECT

2. (F) OPERATION WITH KNOWN DEFICIENCIES IN EQUIPMENT - CONTINUED - PILOT IN COMMAND
 3. (C) PULL-UP - EXCESSIVE - PILOT IN COMMAND
 4. (C) AIRSPEED(VS) - NOT MAINTAINED - PILOT IN COMMAND
 5. (C) STALL/SPIN - INADVERTENT - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

6. TERRAIN CONDITION - DITCH

Factual Information

Pilot Information

Certificate:	Airline transport; Commercial; Flight engineer; Flight instructor	Age:	40, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	Glider	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Glider; Instrument airplane	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	May 1, 1992
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	9446 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	TAYLORCRAFT	Registration:	N26535
Model/Series:	BL BL	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	1876
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	July 8, 1991 Annual	Certified Max Gross Wt.:	1150 lbs
Time Since Last Inspection:	3 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3468 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	A-75-8
Registered Owner:	COBB, CHARLES	Rated Power:	75 Horsepower
Operator:	COBB, CHARLES	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:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	20000 ft AGL	Visibility	30 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	40°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	32°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(P10)	Type of Flight Plan Filed:	None
Destination:	(P10)	Type of Clearance:	VFR
Departure Time:	12:58 Local	Type of Airspace:	Class G

Airport Information

Airport:	CHANDLER P10	Runway Surface Type:	Dirt
Airport Elevation:	1236 ft msl	Runway Surface Condition:	Dry
Runway Used:	4	IFR Approach:	None
Runway Length/Width:	4395 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Substantial
Passenger Injuries:	1 Fatal	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Fatal	Latitude, Longitude:	33.23933,-111.78086(est)

Administrative Information

Investigator In Charge (IIC):	Erickson, Scott
Additional Participating Persons:	MIKE BROWN; SCOTTSDALE , AZ JOHN KENT; MOBILE , AL
Original Publish Date:	June 30, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=27429

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