



Aviation Investigation Final Report

Location:	SEAGOVILLE, Texas	Accident Number:	FTW86FA050
Date & Time:	March 29, 1986, 15:20 Local	Registration:	N3381G
Aircraft:	LOCKHEED L-402-2 (LASA-60)	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	3 Fatal, 2 Serious
Flight Conducted Under:	Part 91: General aviation - Skydiving		

Analysis

ACFT CRASHED IMMEDIATELY AFTER TAKEOFF ON A FLT TO DISCHARGE JUMPERS OVER A DROP ZONE LOCATED ON THE ARPT. WITNESSES STATED THAT SHORTLY AFTER LIFTOFF THE ACFT ENTERED A STEEP LEFT BANK ESTIMATED BETWEEN 45 AND 70 DEGS. AFTER ABOUT 120 DEGS OF TURN THE ACFT STALLED AND IMPACTED THE GROUND IN ABOUT AN 80 DEG NOSE DOWN ATTITUDE, WITH THE LEFT WING LEADING. ALT AT THE TIME THE MANEUVER WAS ATTEMPTED WAS APRX 125' AGL. WINDS AT THE TIME OF THE ACCIDENT WERE DOWN THE DEPARTURE RWY AT 10 KTS GUSTING TO 18 KTS. ONE WITNESS ESTIMATED THE WINDS AT 20 KTS GUSTING TO 25 KTS. RESEARCH INDICATED THAT THE ACFTS STALL SPEED WOULD HAVE INCREASED BTW 40 AND 100 PERCENT DURING THE TURN DEPENDING ON BANK ANGLE. THE PLT HAD A TOTAL OF 3 HRS IN THIS MAKE AND MODEL OF ACFT.

Probable Cause and Findings

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

Findings

Occurrence #1: ABRUPT MANEUVER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) AIRSPEED(VS) - NOT MAINTAINED - PILOT IN COMMAND
2. (C) OSTENTATIOUS DISPLAY - PILOT IN COMMAND
3. (F) OVERCONFIDENCE IN PERSONAL ABILITY - PILOT IN COMMAND
4. (F) OVERCONFIDENCE IN AIRCRAFT'S ABILITY - PILOT IN COMMAND

Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

5. (F) WEATHER CONDITION - TAILWIND
6. (C) STALL - INADVERTENT - PILOT IN COMMAND
7. (C) LACK OF FAMILIARITY WITH AIRCRAFT - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Private	Age:	26, Male
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:	Yes
Medical Certification:	Class 3 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	October 31, 1985
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	293 hours (Total, all aircraft), 3 hours (Total, this make and model), 231 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	LOCKHEED	Registration:	N3381G
Model/Series:	L-402-2 (LASA-60) L-402-2 (L	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	1020
Landing Gear Type:	Tricycle	Seats:	6
Date/Type of Last Inspection:	April 4, 1985 Annual	Certified Max Gross Wt.:	3532 lbs
Time Since Last Inspection:	20 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2459 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Not installed	Engine Model/Series:	TSIO-470-B
Registered Owner:	RICHARD M. LINDEN, JR.	Rated Power:	260 Horsepower
Operator:	RICHARD M. LINDEN, JR.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	DAL ,485 ft msl	Distance from Accident Site:	25 Nautical Miles
Observation Time:	14:49 Local	Direction from Accident Site:	320°
Lowest Cloud Condition:	25000 ft AGL	Visibility	12 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots / 18 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	27°C / 7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	15:19 Local	Type of Airspace:	Class G

Airport Information

Airport:	SEAGOVILLE 59F	Runway Surface Type:	Gravel
Airport Elevation:	415 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	2675 ft / 60 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	2 Fatal, 2 Serious	Aircraft Fire:	On-ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 Fatal, 2 Serious	Latitude, Longitude:	32.649452,-96.540992(est)

Administrative Information

Investigator In Charge (IIC):	Wandel, Warren
Additional Participating Persons:	JOSEPH MONTEROSSO; DALLAS , TX
Original Publish Date:	
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=21891

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