



Aviation Investigation Final Report

Location:	TUCSON, Arizona	Accident Number:	LAX87LA075
Date & Time:	January 4, 1987, 15:39 Local	Registration:	N68557
Aircraft:	BELLANCA 8KCAB	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PLT LOST CONTROL AND COLLIDED WITH THE SURFACE OF RUNWAY 24 DURING INITIAL TAKEOFF CLIMB. THE PILOT INDICATED THAT HE ENCOUNTERED A CROSSWIND GUST FROM HIS LEFT DURING THE INITIAL TAKEOFF/CLIMB. THE AIRCRAFT RIGHT WING OR LANDING GEAR DRAGGED ALONG THE GROUND AND THE AIRCRAFT GROUND LOOPED TO THE RIGHT. THE FAA FLIGHT SERVICE STATION LOCATED 13 NAUTICAL MILES EAST OF THE ACCIDENT SITE REPORTED THE WINDS FROM 200 DEG AT 13 KNOTS.

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. (F) WEATHER CONDITION - CROSSWIND
 2. (C) COMPENSATION FOR WIND CONDITIONS - NOT PERFORMED - PILOT IN COMMAND
 3. (F) PROPER ALIGNMENT - NOT MAINTAINED - PILOT IN COMMAND
 4. (F) ABORTED TAKEOFF - SELECTED - PILOT IN COMMAND
 5. (F) LACK OF TOTAL EXPERIENCE IN TYPE OF AIRCRAFT - PILOT IN COMMAND
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Occurrence #2: DRAGGED WING, ROTOR, POD, FLOAT OR TAIL/SKID
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

- 6. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
 - 7. (C) PROPER CLIMB RATE - NOT MAINTAINED - PILOT IN COMMAND
 - 8. (C) GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND
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Occurrence #3: GEAR COLLAPSED
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Factual Information

Pilot Information

Certificate:	Commercial	Age:	51, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Rear
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:	November 10, 1986
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	339 hours (Total, all aircraft), 37 hours (Total, this make and model), 2 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BELLANCA	Registration:	N68557
Model/Series:	8KCAB 8KCAB	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Aerobatic; Normal	Serial Number:	41-72
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	June 2, 1986 Annual	Certified Max Gross Wt.:	1800 lbs
Time Since Last Inspection:	12 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed	Engine Model/Series:	IO-320-E1A
Registered Owner:	ARTHUR, DAVID A.	Rated Power:	150 Horsepower
Operator:		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:	TUS ,2630 ft msl	Distance from Accident Site:	13 Nautical Miles
Observation Time:	15:48 Local	Direction from Accident Site:	90°
Lowest Cloud Condition:	Clear	Visibility	50 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	13 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	24°C / -9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	TUCSON , AZ (RYN)	Type of Flight Plan Filed:	None
Destination:	TUCSON , AZ (TUS)	Type of Clearance:	None
Departure Time:	15:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	RYAN FIELD RYN	Runway Surface Type:	Asphalt
Airport Elevation:	2415 ft msl	Runway Surface Condition:	Dry
Runway Used:	24	IFR Approach:	None
Runway Length/Width:	5500 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	32.060836,-111.41938(est)

Administrative Information

Investigator In Charge (IIC):	Wilcox, Thomas
Additional Participating Persons:	RICHARD O JULIAN; PHOENIX , AZ
Original Publish Date:	April 25, 1988
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=25495

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