



National Transportation Safety Board Aviation Accident Final Report

Location:	Auburn, CA	Accident Number:	LAX06CA282
Date & Time:	09/02/2006, 0845 PDT	Registration:	N4813T
Aircraft:	Piper PA-28-140	Aircraft Damage:	Substantial
Defining Event:		Injuries:	3 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The airplane stalled and collided with terrain during takeoff, and went into a canal. The pilot reported that the weight of the airplane was 2,300 pounds, which is 150 pounds above the certified maximum gross weight of the airplane. He stated that he had not paid thorough attention to the weight and balance considerations. The airplane did not obtain enough airspeed at takeoff, which resulted in a departure stall, and the collision with terrain. The pilot stated that the airplane and engine had no mechanical failures or malfunctions.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's failure to comply with weight and balance limitations and failure to attain an adequate airspeed, which resulted in a stall and loss of control.

Findings

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

Findings

1. (C) AIRCRAFT WEIGHT AND BALANCE - EXCEEDED - PILOT IN COMMAND
2. (C) AIRSPEED - NOT ATTAINED - PILOT IN COMMAND
3. STALL - INADVERTENT - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

4. TERRAIN CONDITION - GROUND

Factual Information

Pilot Information

Certificate:	Private	Age:	70, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	Class 3 With Waivers/Limitations	Last Medical Exam:	05/01/2006
Occupational Pilot:		Last Flight Review or Equivalent:	01/01/2006
Flight Time:	250 hours (Total, all aircraft), 50 hours (Total, this make and model), 118 hours (Pilot In Command, all aircraft), 27 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Piper	Registration:	N4813T
Model/Series:	PA-28-140	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	28-7225212
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	05/01/2006, Annual	Certified Max Gross Wt.:	2150 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3912 Hours	Engine Manufacturer:	Lycoming
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-320
Registered Owner:	On file	Rated Power:	150 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	AUN, 1536 ft msl	Observation Time:	0855 PDT
Distance from Accident Site:		Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Few / 12000 ft agl	Temperature/Dew Point:	26°C / 7°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	Calm	Visibility (RVR):	
Altimeter Setting:	29.9 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Auburn, CA (AUN)	Type of Flight Plan Filed:	VFR
Destination:	Santa Ynez, CA (IZA)	Type of Clearance:	None
Departure Time:	0845	Type of Airspace:	

Airport Information

Airport:	Auburn Muni (AUN)	Runway Surface Type:	Asphalt
Airport Elevation:	1536 ft	Runway Surface Condition:	Dry
Runway Used:	7	IFR Approach:	None
Runway Length/Width:	3700 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	2 Minor	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 Minor		

Administrative Information

Investigator In Charge (IIC):	Howard Plagens	Adopted Date:	01/31/2007
Additional Participating Persons:	Bruce Allen; Federal Aviation Administration Sacramento FSDO; Sacramento, CA		
Publish Date:			
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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.