



National Transportation Safety Board Aviation Accident Final Report

Location:	Lamar, CO	Accident Number:	CEN09CA047
Date & Time:	11/01/2008, 1054 MST	Registration:	N3758P
Aircraft:	PIPER PA-22-150	Aircraft Damage:	Substantial
Defining Event:	Abnormal runway contact	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The student pilot was on final approach when he used rudder to correct for drift. The airplane touched down while not aligned with the runway, struck the ground with its wing tip, and slid off of the edge of the runway. The nose wheel collapsed when it hit a shallow ditch, and the airplane flipped on its back. There was substantial damage to both wings, engine mounts, vertical fin and rudder, but no injuries to the solo pilot.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's failure to maintain directional control during landing.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)

Factual Information

History of Flight

Landing-flare/touchdown	Abnormal runway contact (Defining event)
Landing-landing roll	Loss of control on ground Runway excursion Nose over/nose down

Student Pilot Information

Certificate:	Student	Age:	27, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Without Waivers/Limitations	Last Medical Exam:	07/16/2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	07/19/2008
Flight Time:	45 hours (Total, all aircraft), 40 hours (Total, this make and model), 19 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	PIPER	Registration:	N3758P
Model/Series:	PA-22-150	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	22-3480
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	08/08/2008, Annual	Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:	33 Hours	Engines:	1 Reciprocating
Airframe Total Time:	3525 Hours	Engine Manufacturer:	Lycoming
ELT:	C91A 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:	KLAA, 3706 ft msl	Observation Time:	1053 MST
Distance from Accident Site:		Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	14°C / 1°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	3 knots, Variable	Visibility (RVR):	
Altimeter Setting:	30.31 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Greeley, CO (KGXY)	Type of Flight Plan Filed:	None
Destination:	Lamar, CO (KLAA)	Type of Clearance:	None
Departure Time:	0730 MST	Type of Airspace:	

Airport Information

Airport:	Lamar Municipal Airport (KLAA)	Runway Surface Type:	Concrete; Metal/Wood
Airport Elevation:	3706 ft	Runway Surface Condition:	Dry
Runway Used:	36	IFR Approach:	None
Runway Length/Width:	6304 ft / 100 ft	VFR Approach/Landing:	Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	Thomas Latson	Adopted Date:	05/12/2009
Additional Participating Persons:	Christopher Lang; FAA Denver FSDO; Denver, CO		
Publish Date:	05/12/2009		
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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