



Aviation Investigation Final Report

Location:	FORT MORGAN, Colorado	Accident Number:	DEN87LA005
Date & Time:	October 15, 1986, 11:40 Local	Registration:	N9748D
Aircraft:	PIPER PA-22-160	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

THE STUDENT PLT HAD JUST BEEN ENDORSED FOR HIS FIRST SUPERVISED SOLO FLT. HE HAD SUCCESSFULLY COMPLETED ONE LANDING AND WAS ATTEMPTING HIS SECOND LANDING WHEN THE ACCIDENT OCCURRED. THE PLT SAID HE LOST DIRECTIONAL CONTROL, TOUCHED DOWN, AND OVER CORRECTED. THE ACFT WENT OFF THE SIDE OF THE RWY 32 AND OVERTURNED. THE PLT ESTIMATED THE WINDS TO BE 290 DEG AT 5 KTS.

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 - ON GROUND/WATER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) AIRPORT FACILITIES, RUNWAY/LANDING AREA CONDITION - RUNWAY
 2. (C) PROPER ALIGNMENT - NOT MAINTAINED - PILOT IN COMMAND
 3. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND
 4. (F) INADEQUATE INITIAL TRAINING - FLIGHT INSTRUCTOR(ON GROUND)
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Occurrence #2: OVERRUN

Phase of Operation: LANDING - ROLL

Findings

- 5. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
- 6. (C) REMEDIAL ACTION - EXCESSIVE - PILOT IN COMMAND

Occurrence #3: NOSE OVER

Phase of Operation: LANDING - ROLL

Findings

- 7. (F) TERRAIN CONDITION - SOFT
- 8. (F) TERRAIN CONDITION - GROUND

Factual Information

Pilot Information

Certificate:	Student	Age:	47, 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:	No
Medical Certification:	Class 3 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	March 14, 1986
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	29 hours (Total, all aircraft), 14 hours (Total, this make and model), 2 hours (Pilot In Command, all aircraft), 7 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N9748D
Model/Series:	PA-22-160 PA-22-160	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22-6661
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	October 22, 1985 Annual	Certified Max Gross Wt.:	2000 lbs
Time Since Last Inspection:	35 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2143 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-320-B2A
Registered Owner:	DAVE R. SCHREINER	Rated Power:	160 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:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	100 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots / 5 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	18°C / 2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	WIGGINS , CO	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	11:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	FORT MORGAN MUNI 3V4	Runway Surface Type:	Concrete
Airport Elevation:	4550 ft msl	Runway Surface Condition:	Dry
Runway Used:	32	IFR Approach:	None
Runway Length/Width:	5222 ft / 60 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	40.26052,-103.790168(est)

Administrative Information

Investigator In Charge (IIC):	Scott, Arnold
Additional Participating Persons:	GEORGE PECHAR; BROOMFIELD , CO
Original Publish Date:	
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=17143

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