



Aviation Investigation Final Report

Location:	TARENTUM, Pennsylvania	Accident Number:	NYC90LA139
Date & Time:	June 12, 1990, 18:00 Local	Registration:	N4010N
Aircraft:	CESSNA 140	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE CESSNA 140 WAS ON LANDING ROLLOUT WHEN IT FLIPPED OVER. THE PILOT SAID SHE GOT CLOSE TO THE RUNWAY LIGHTS AND ENDED UP IN THE GRASS. TO AVOID HITTING A RUNWAY LIGHT SHE SAID SHE HIT THE BRAKES, AND ALTHOUGH SHE WAS GOING SLOW, THE MOMENTUM CAUSED THE TAIL TO GO UP AND THE AIRPLANE NOSED OVER.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: AIRPLANE NOSED OVER DURING LANDING ROLLOUT AFTER THE PILOT FAILED TO MAINTAIN DIRECTIONAL CONTROL ON THE RUNWAY AND IMPROPERLY USED THE BRAKES.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (C) FLIGHT CONTROLS - IMPROPER USE OF - PILOT IN COMMAND
 2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
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Occurrence #2: NOSE DOWN
Phase of Operation: LANDING - ROLL

Findings

3. (C) BRAKES(NORMAL) - IMPROPER USE OF - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Private	Age:	36,Female
Airplane Rating(s):	Single-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	June 7, 1990
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	137 hours (Total, all aircraft), 22 hours (Total, this make and model), 74 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N4010N
Model/Series:	140 140	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:		Serial Number:	13468
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	1450 lbs
Time Since Last Inspection:	0 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	C-85
Registered Owner:	CAROLE A. HOLIK	Rated Power:	85 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:	18:03 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	Overcast / 8000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	22°C / 9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	17:00 Local	Type of Airspace:	

Airport Information

Airport:	WEST PENN 9G1	Runway Surface Type:	Asphalt
Airport Elevation:	1125 ft msl	Runway Surface Condition:	Dry
Runway Used:	20	IFR Approach:	None
Runway Length/Width:	2645 ft / 37 ft	VFR Approach/Landing:	Full stop

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:	40.600337,-79.759384(est)

Administrative Information

Investigator In Charge (IIC):	Hancock, Robert
Additional Participating Persons:	CHUCK POTTS; WEST MIFFLIN , PA
Original Publish Date:	October 2, 1992
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=36670

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