



Aviation Investigation Final Report

Location:	Tanana, Alaska	Accident Number:	ANC10CA043
Date & Time:	May 24, 2010, 09:45 Local	Registration:	N2507M
Aircraft:	Piper PA-12	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The private pilot reported that she was practicing stop-and-go landings on a gravel-covered runway in her tailwheel-equipped airplane. The airplane was operated under Title 14, Code of Federal Regulations Part 91 as a personal flight. She said that after touchdown she inadvertently applied the brakes too hard, and the airplane nosed over. The pilot noted that there were no preaccident mechanical problems with the airplane.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's excessive application of the brakes during the landing roll

resulting in a nose over.

Findings

Aircraft	Brake - Unnecessary use/operation
Personnel issues	Incorrect action performance - Pilot

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	41,Female
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
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 Without waivers/limitations	Last FAA Medical Exam:	June 16, 2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	452 hours (Total, all aircraft), 8 hours (Total, this make and model), 493 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N2507M
Model/Series:	PA-12	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	12-1005
Landing Gear Type:	Tailwheel	Seats:	3
Date/Type of Last Inspection:	April 15, 2010 Annual	Certified Max Gross Wt.:	
Time Since Last Inspection:	20 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2675 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	C91 installed, not activated	Engine Model/Series:	O-235 SERIES
Registered Owner:	RALPH E. ELLER	Rated Power:	150 Horsepower
Operator:	MICHELLE H. ELLER	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PATA,236 ft msl	Distance from Accident Site:	
Observation Time:	09:54 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Few / 6000 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.7 inches Hg	Temperature/Dew Point:	18°C / 9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Tanana, AK (PATA)	Type of Flight Plan Filed:	Unknown
Destination:	Tanana, AK (PATA)	Type of Clearance:	None
Departure Time:	09:05 Local	Type of Airspace:	

Airport Information

Airport:	Ralph Calhoun Memorial Airport PATA	Runway Surface Type:	Gravel
Airport Elevation:	236 ft msl	Runway Surface Condition:	Dry
Runway Used:	07	IFR Approach:	None
Runway Length/Width:	4400 ft / 150 ft	VFR Approach/Landing:	Stop and go

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:	65.166664,-152.100006(est)

Administrative Information

Investigator In Charge (IIC):	Johnson, Clinton
Additional Participating Persons:	Steve Ketzer; Federal Aviation Administration; Fairbanks, AK
Original Publish Date:	October 21, 2010
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=76114

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