



Aviation Investigation Final Report

Location:	TALKEETNA, Alaska	Accident Number:	ANC92LA093
Date & Time:	June 17, 1992, 18:30 Local	Registration:	N125KT
Aircraft:	CESSNA 185F	Aircraft Damage:	Substantial
Defining Event:		Injuries:	4 None
Flight Conducted Under:	Part 135: Air taxi & commuter - Non-scheduled		

Analysis

DURING THE ATTEMPTED SHORT FIELD LANDING, THE PILOT OF THE CESSNA 185F WAS UNABLE TO MAINTAIN DIRECTIONAL CONTROL, AND THE AIRCRAFT DEPARTED THE RUNWAY, GROUND LOOPED AND DRAGGED A WING. AFTER THE ACCIDENT, THE PILOT SAID THAT THE TAILWHEEL HAD DEVELOPED A VIBRATION/SHIMMY DURING THE LANDING ROLL, AND WHEN THE AIRCRAFT BEGAN TO VEER OFF THE RUNWAY, HE WAS UNABLE TO STOP IT WITH APPLICATION OF OPPOSITE RUDDER AND BRAKE.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FAILURE TO MAINTAIN DIRECTIONAL CONTROL. FACTORS INCLUDE TAILWHEEL VIBRATION/SHIMMY, AND AN INADVERTENT GROUND LOOP.

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION

Phase of Operation: LANDING - ROLL

Findings

1. (F) LANDING GEAR, TAILWHEEL - VIBRATION

Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

Findings

2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #3: DRAGGED WING, ROTOR, POD, FLOAT OR TAIL/SKID

Phase of Operation: LANDING - ROLL

Findings

3. (F) GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	27, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	May 22, 1992
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	2500 hours (Total, all aircraft), 31 hours (Total, this make and model), 2450 hours (Pilot In Command, all aircraft), 140 hours (Last 90 days, all aircraft), 75 hours (Last 30 days, all aircraft), 5.6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N125KT
Model/Series:	185F 185F	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18503494
Landing Gear Type:	Ski/wheel	Seats:	4
Date/Type of Last Inspection:	June 12, 1992 100 hour	Certified Max Gross Wt.:	3350 lbs
Time Since Last Inspection:	18 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	5173 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	IO-520-D
Registered Owner:	K2 AVIATION	Rated Power:	300 Horsepower
Operator:	K2 AVIATION	Operating Certificate(s) Held:	On-demand air taxi (135)
Operator Does Business As:		Operator Designator Code:	EPZA

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	20 miles
Lowest Ceiling:	Overcast / 10000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	16°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	KAHILTNA GLACIE, AK	Type of Flight Plan Filed:	VFR
Destination:		Type of Clearance:	None
Departure Time:	17:45 Local	Type of Airspace:	Class G

Airport Information

Airport:	TALKEETNA STATE AIRPORT TKA	Runway Surface Type:	Asphalt
Airport Elevation:	358 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	3500 ft / 75 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	62.449882,-149.79071(est)

Administrative Information

Investigator In Charge (IIC):	Daw, Roy
Additional Participating Persons:	MIKE DOLSON; ANCHORAGE , AK ORRIN KURT ANDERSON; SEATTLE , WA
Original Publish Date:	May 26, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=5744

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