



National Transportation Safety Board Aviation Accident Final Report

Location:	Sedona, AZ	Accident Number:	GAA19CA309
Date & Time:	06/02/2019, 1150 MST	Registration:	N44249
Aircraft:	Taylorcraft BC12	Aircraft Damage:	Substantial
Defining Event:	Nose over/nose down	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot of the tailwheel-equipped airplane reported that, while landing, the airplane encountered a wind gust, and the tail started to rise. The pilot corrected by pulling the yoke "fully back," but subsequently, the airplane nosed over.

The airplane sustained substantial damage to the left wing lift strut.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

The airport's automated weather observation station reported that, about 30 minutes after the accident, the wind was from 160° at 14 knots, gusting to 23 knots. The pilot was landing the airplane on runway 21.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's failure to maintain pitch control during landing in gusting wind conditions, which resulted in a nose-over.

Findings

Aircraft	Pitch control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)
Environmental issues	Gusts - Effect on equipment

Factual Information

History of Flight

Landing	Attempted remediation/recovery Nose over/nose down (Defining event)
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Pilot Information

Certificate:	Private	Age:	64, 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:	Sport Pilot With Waivers/Limitations	Last FAA Medical Exam:	06/16/2006
Occupational Pilot:	No	Last Flight Review or Equivalent:	01/11/2019
Flight Time:	(Estimated) 690 hours (Total, all aircraft), 73 hours (Total, this make and model), 690 hours (Pilot In Command, all aircraft), 7 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Taylorcraft	Registration:	N44249
Model/Series:	BC12 D	Aircraft Category:	Airplane
Year of Manufacture:	1946	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	10049
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	11/21/2018, Annual	Certified Max Gross Wt.:	1200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1619.7 Hours at time of accident	Engine Manufacturer:	Continental
ELT:	C91A installed, activated, did not aid in locating accident	Engine Model/Series:	A65-8
Registered Owner:	On file	Rated Power:	65 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KSEZ, 4827 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1920 UTC	Direction from Accident Site:	72°
Lowest Cloud Condition:	Scattered / 7500 ft agl	Visibility	10 Miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	14 knots / 23 knots	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	27° C / 3° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Maricopa, AZ (A39)	Type of Flight Plan Filed:	None
Destination:	Sedona, AZ (SEZ)	Type of Clearance:	None
Departure Time:	0950 MST	Type of Airspace:	Class G

Airport Information

Airport:	Sedona (SEZ)	Runway Surface Type:	Asphalt
Airport Elevation:	4830 ft	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	5132 ft / 100 ft	VFR Approach/Landing:	Full Stop; Go Around; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	34.848611, -111.788333 (est)

Administrative Information

Investigator In Charge (IIC):	Eric M Gutierrez	Report Date:	11/06/2019
Additional Participating Persons:	Daniel W Meeker; FAA; Scottsdale, AZ		
Publish Date:	11/06/2019		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=99541		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).