



Aviation Investigation Final Report

Location:	Groveland, California	Accident Number:	GAA18CA584
Date & Time:	September 5, 2018, 11:30 Local	Registration:	N119PP
Aircraft:	Cessna 305	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot of the tailwheel-equipped airplane reported that, after a three-point landing, the left wing "raised up abruptly," so he corrected with left aileron, but the airplane veered left. He then corrected with right pedal, but the airplane continued left, exited the runway, and ground looped.

The airplane sustained substantial damage to the right wing and tail cone.

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

The pilot reported that the wind was light and variable. An automated weather observation station located about 15 nautical miles from the accident site reported that, about 5 minutes after the accident, the wind was from 170° at 6 knots. The pilot landed the airplane on runway 27.

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 directional control during landing with a crosswind, which resulted in a runway excursion and subsequent ground-loop.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Environmental issues	Crosswind - Effect on operation

Factual Information

History of Flight

Landing-landing roll	Miscellaneous/other
Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Attempted remediation/recovery
Landing-landing roll	Runway excursion

Pilot Information

Certificate:	Private	Age:	61,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	May 17, 2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 15, 2018
Flight Time:	(Estimated) 355 hours (Total, all aircraft), 71 hours (Total, this make and model), 203 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N119PP
Model/Series:	305 A	Aircraft Category:	Airplane
Year of Manufacture:	1951	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	22787
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	March 22, 2018 Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	5296.9 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	C91A installed, not activated	Engine Model/Series:	O-470-15
Registered Owner:		Rated Power:	215 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KO22,2120 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	18:35 Local	Direction from Accident Site:	312°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	170°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.01 inches Hg	Temperature/Dew Point:	34°C / 8°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Columbia, CA (O22)	Type of Flight Plan Filed:	None
Destination:	Groveland, CA (E45)	Type of Clearance:	None
Departure Time:	09:45 Local	Type of Airspace:	Class G

Airport Information

Airport:	PINE MOUNTAIN LAKE E45	Runway Surface Type:	Asphalt
Airport Elevation:	2932 ft msl	Runway Surface Condition:	Dry
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	3624 ft / 50 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	37.861667,-120.178611(est)

Administrative Information

Investigator In Charge (IIC):	Nepomuceno, Eleazar
Additional Participating Persons:	Abigail Cahoon; FAA; Fresno, CA
Original Publish Date:	February 11, 2020
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=98692

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