



Aviation Investigation Final Report

Location:	Salem, Illinois	Accident Number:	GAA18CA360
Date & Time:	June 14, 2018, 14:17 Local	Registration:	N98395
Aircraft:	Cessna 172	Aircraft Damage:	Substantial
Defining Event:	Ground collision	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The solo student pilot reported that, after landing, he taxied the airplane to the ramp to get fuel. While in front of the fuel tank, he repositioned the airplane with a 360° turn. During a second attempt to reposition the airplane, the right wing struck a nearby pole.

The airplane sustained substantial damage to the right wing.

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

Probable Cause and Findings

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

The student pilot's failure to maintain clearance from a pole while taxiing the airplane on the ramp.

Findings

Personnel issues	Monitoring environment - Student/instructed pilot
Environmental issues	Pole - Effect on operation

Factual Information

History of Flight

Taxi	Ground collision (Defining event)
------	-----------------------------------

Student pilot Information

Certificate:	Student	Age:	20,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	January 29, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 59 hours (Total, all aircraft), 9 hours (Total, this make and model), 4 hours (Pilot In Command, all aircraft), 27 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N98395
Model/Series:	172 P	Aircraft Category:	Airplane
Year of Manufacture:	1985	Amateur Built:	
Airworthiness Certificate:	Normal; Utility	Serial Number:	17276285
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	June 5, 2018 100 hour	Certified Max Gross Wt.:	2407 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	12436 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-320-D2J
Registered Owner:		Rated Power:	160 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KSLO, 570 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	19:15 Local	Direction from Accident Site:	344°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	70°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.04 inches Hg	Temperature/Dew Point:	29°C / 18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Carbondale/Murphysboro, IL (MDH)	Type of Flight Plan Filed:	VFR
Destination:	Salem, IL (SLO)	Type of Clearance:	None
Departure Time:	13:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	SALEM-LECKRONE SLO	Runway Surface Type:	
Airport Elevation:	573 ft msl	Runway Surface Condition:	Unknown
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

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:	38.64389, -88.964721 (est)

Administrative Information

Investigator In Charge (IIC):	Swenson, Eric
Additional Participating Persons:	Doyle Humphries; FAA; Springfield, IL
Original Publish Date:	November 5, 2018
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=97520

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](#).