



# Aviation Investigation Final Report

<b>Location:</b>	Chicago, Illinois	<b>Accident Number:</b>	GAA18CA588
<b>Date &amp; Time:</b>	July 17, 2018, 09:20 Local	<b>Registration:</b>	N969RR
<b>Aircraft:</b>	Cessna 172	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Ground collision	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The solo student pilot reported that, during taxi to the runway, he saw a fuel truck parked in the grass on the left side of the asphalt taxilane. He added that he "assumed that the truck driver had left room for airplanes to get by"; however, as the airplane passed the truck, its left wing struck the rear of the truck.

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

The student reported that there were no preaccident mechanical malfunctions or failures 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 truck while taxiing.

## Findings

<b>Personnel issues</b>	Monitoring environment - Student/instructed pilot
<b>Environmental issues</b>	Ground vehicle - Effect on operation

## Factual Information

### History of Flight

Taxi-to runway	Ground collision (Defining event)
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### Pilot Information

Certificate:	Student	Age:	53, 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 3 Without waivers/limitations	Last FAA Medical Exam:	March 31, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 28.2 hours (Total, all aircraft), 28.2 hours (Total, this make and model), 0.4 hours (Pilot In Command, all aircraft), 20.2 hours (Last 90 days, all aircraft), 4.9 hours (Last 30 days, all aircraft), 0.8 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N969RR
Model/Series:	172 P	Aircraft Category:	Airplane
Year of Manufacture:	1982	Amateur Built:	
Airworthiness Certificate:	Utility	Serial Number:	17275850
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:	Installed	Engine Model/Series:	O-320
Registered Owner:		Rated Power:	160 Horsepower
Operator:		Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KPWK,636 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	04:52 Local	<b>Direction from Accident Site:</b>	340°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	23°C / 14°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Chicago, IL (PWK )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Chicago, IL (PWK )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	10:00 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	Chicago Executive PWK	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	646 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>		<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>		<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	42.114166,-87.901664(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Hicks, Michael
<b>Additional Participating Persons:</b>	James Lobash ; FAA; DuPage, IL
<b>Original Publish Date:</b>	September 26, 2019
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=99311">https://data.nts.gov/Docket?ProjectID=99311</a>

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