



Aviation Investigation Final Report

Location:	East Tawas, Michigan	Accident Number:	CHI08CA259
Date & Time:	August 13, 2008, 01:20 Local	Registration:	N9114K
Aircraft:	Piper PA-34-200T	Aircraft Damage:	Substantial
Defining Event:	Landing gear not configured	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

As the flight neared the intended destination airport, the pilot entered the traffic pattern for runway 26. The approach was normal; however, the landing gear was not extended prior to touchdown and the airplane inadvertently landed gear up. Damage to the airplane included external structural formers on the bottom of the fuselage. The pilot noted that he had failed to lower the landing gear during the before-landing checklist. There were no failures or malfunctions associated with the airplane prior to the accident, according to the pilot.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to lower the landing gear prior to touchdown.

Findings

Personnel issues	Forgotten action/omission - Pilot
Aircraft	Configuration - Incorrect use/operation
Aircraft	Landing gear selector - Not used/operated

Factual Information

History of Flight

Landing-flare/touchdown	Landing gear not configured (Defining event)
Landing-flare/touchdown	Abnormal runway contact

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Pilot Information

Certificate:	Commercial	Age:	86, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	April 5, 2007
Occupational Pilot:	No	Last Flight Review or Equivalent:	February 9, 2008
Flight Time:	10780 hours (Total, all aircraft), 314 hours (Total, this make and model), 10620 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N9114K
Model/Series:	PA-34-200T	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	34-7670188
Landing Gear Type:	Retractable - Tricycle	Seats:	7
Date/Type of Last Inspection:	August 12, 2008 100 hour	Certified Max Gross Wt.:	4570 lbs
Time Since Last Inspection:		Engines:	2 Reciprocating
Airframe Total Time:	2926 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, not activated	Engine Model/Series:	TSIO-360 SER
Registered Owner:	On file	Rated Power:	225 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:	6D9,606 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	16:00 Local	Direction from Accident Site:	255°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	260°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	21°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Michigan City, MI (76G)	Type of Flight Plan Filed:	None
Destination:	East Tawas, MI (6D9)	Type of Clearance:	None
Departure Time:	10:00 Local	Type of Airspace:	

Airport Information

Airport:	Iosco County 6D9	Runway Surface Type:	Asphalt
Airport Elevation:	606 ft msl	Runway Surface Condition:	Dry
Runway Used:	26	IFR Approach:	None
Runway Length/Width:	4802 ft / 75 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	44.312778,-83.422225(est)

Administrative Information

Investigator In Charge (IIC):	Sorensen, Timothy
Additional Participating Persons:	John Parrish; FAA-Grand Rapids FSDO; Grand Rapids, MN
Original Publish Date:	January 22, 2009
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=69032

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