



National Transportation Safety Board Aviation Accident Data Summary

Location:	Kensington, NH	Accident Number:	NYC06CA001
Date & Time:	10/02/2005, 1745 EDT	Registration:	N89B
Aircraft:	Waco YMF	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The pilot and flight instructor were practicing soft field landings on the turf runway. During the landing rollout, the right main landing gear collapsed and the airplane nosed over. The right landing gear was fractured completely around a weld where the gear attached to the spindle assembly. Metallurgical examination of the fracture revealed features typical of an overstress separation, with no evidence of fatigue cracking.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: An overload fracture of the right main landing gear during the landing roll, which resulted in a nose over.

Findings

Occurrence #1: GEAR COLLAPSED
Phase of Operation: LANDING

Findings

1. (C) LANDING GEAR,MAIN GEAR ATTACHMENT - OVERLOAD

Occurrence #2: NOSE OVER
Phase of Operation: LANDING - ROLL

Findings

2. TERRAIN CONDITION - GRASS

Flight Instructor Information

Certificate:	Flight Instructor; Commercial	Age:	45
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
Flight Time:	7623 hours (Total, all aircraft), 28 hours (Total, this make and model), 7494 hours (Pilot In Command, all aircraft), 480 hours (Last 90 days, all aircraft), 176 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Pilot Information

Certificate:	Commercial	Age:	50
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1451 hours (Total, all aircraft), 8 hours (Total, this make and model), 29 hours (Last 90 days, all aircraft), 18 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Waco	Registration:	N89B
Model/Series:	YMF	Engines:	1 Reciprocating
Operator:	Brian McDevitt	Engine Manufacturer:	Jacobs
Air Carrier Operating Certificate:	None	Engine Model/Series:	R775B
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	PSM, 100 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	3 knots, 130°
Temperature:	22° C / 10° C	Visibility	20 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Portsmouth, NH (PSM)	Destination:	Kensington, NH (06NH)

Airport Information

Airport:	Cole Farm (06NH)	Runway Surface Type:	Grass/turf
Runway Used:	17	Runway Surface Condition:	Dry
Runway Length/Width:	1900 ft / 35 ft		

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Luke Schiada	Adopted Date:	01/31/2006
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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