



National Transportation Safety Board Aviation Accident Factual Report

Location:	Lancaster, PA	Accident Number:	NYC05CA047
Date & Time:	02/01/2005, 1426 EST	Registration:	N59MB
Aircraft:	Bell 206B	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

On February 1, 2005, at 1426 eastern standard time, a Bell 206B, N59MB, was substantially damaged while attempting to transition to a hover from the ground at the Lancaster Airport, Lancaster, Pennsylvania. The certificated private pilot was not injured. Visual meteorological conditions prevailed, and no flight plan was filed for the local flight conducted under 14 CFR Part 91.

According to the pilot, as he was raising the collective to hover the helicopter, it immediately rolled over onto its right side. The pilot added that the helicopter was positioned into the direct sunlight, and he experienced "dazzling sunlight" being reflected from surrounding snow banks.

The pilot did not report any mechanical difficulties with the helicopter.

Inspection of the helicopter revealed that the main rotor blades and the tail rotor assembly sustained substantial damage.

Pilot Information

Certificate:	Private	Age:	65, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	Helicopter	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	05/12/2003
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	1745 hours (Total, all aircraft), 50 hours (Total, this make and model), 27 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Bell	Registration:	N59MB
Model/Series:	206B	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	847
Landing Gear Type:	Skid	Seats:	5
Date/Type of Last Inspection:	12/12/2004, 100 Hour	Certified Max Gross Wt.:	3500 lbs
Time Since Last Inspection:	10 Hours	Engines:	1 Turbo Shaft
Airframe Total Time:	10278 Hours as of last inspection	Engine Manufacturer:	Rolls-Royce
ELT:	Not installed	Engine Model/Series:	250C-20R
Registered Owner:	Leslie Alan Jones	Rated Power:	
Operator:	Leslie Alan Jones	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	100°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	Lancaster, PA (LNS)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1415	Type of Airspace:	Class D

Airport Information

Airport:	Lancaster Airport (LNS)	Runway Surface Type:	Unknown
Airport Elevation:	420 ft	Runway Surface Condition:	Unknown
Runway Used:	NA	IFR Approach:	Unknown
Runway Length/Width:		VFR Approach/Landing:	Unknown

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:	40.125000, -76.300000

Administrative Information

Investigator In Charge (IIC):	Stephen M Demko
Additional Participating Persons:	Charles Martin; FAA; New Cumberland, PA
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 pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .