



National Transportation Safety Board Aviation Accident Final Report

Location:	Atlanta, AR	Accident Number:	CEN15CA007
Date & Time:	10/03/2014, 1330 CDT	Registration:	N4426M
Aircraft:	BELL 206B	Aircraft Damage:	Substantial
Defining Event:	Dynamic rollover	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Positioning		

Analysis

The helicopter had been transported to a remote area with the skid landing gear secured to the helicopter transport trailer with four heavy duty ratchet type tie-downs. After arrival at the work location the pilot and several ground crewmembers prepared the helicopter for an agricultural application flight. The pilot reported that during his walk-around inspection prior to the flight he had overlooked the right rear tie-down, and he attempted to takeoff with the tie-down still attached to the helicopter. As power was applied the helicopter immediately rolled to the right and impacted terrain. Both main rotor blades were impact separated mid-span and the transmission and skid landing gear were partially separated. The helicopter sustained substantial damage to the main rotor system, transmission, tail rotor, tail boom and fuselage. A postaccident examination found no preimpact mechanical anomalies with the helicopter. The characteristics displayed by the helicopter were indicative of it encountering a dynamic rollover.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate preflight inspection when he did not remove a tie-down strap prior to takeoff, which resulted in a dynamic rollover.

Findings

Aircraft	Tie-down/mooring - Inadequate inspection (Cause)
Personnel issues	Lack of action - Pilot (Cause)

Factual Information

History of Flight

Prior to flight	Aircraft inspection event
Takeoff	Dynamic rollover (Defining event) Collision with terr/obj (non-CFIT)
Post-impact	Part(s) separation from AC

Pilot Information

Certificate:	Commercial	Age:	56
Airplane Rating(s):	None	Seat Occupied:	Right
Other Aircraft Rating(s):	Helicopter	Restraint Used:	
Instrument Rating(s):	Helicopter	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 With Waivers/Limitations	Last Medical Exam:	10/02/2014
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	11/21/2012
Flight Time:	(Estimated) 2946 hours (Total, all aircraft), 1196 hours (Total, this make and model), 2946 hours (Pilot In Command, all aircraft), 183 hours (Last 90 days, all aircraft), 77 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	BELL	Registration:	N4426M
Model/Series:	206B	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted; Normal	Serial Number:	1759
Landing Gear Type:	High Skid; Skid;	Seats:	5
Date/Type of Last Inspection:	09/01/2014, 100 Hour	Certified Max Gross Wt.:	3201 lbs
Time Since Last Inspection:		Engines:	1 Turbo Shaft
Airframe Total Time:	12019 Hours	Engine Manufacturer:	ALLISON
ELT:	C91A installed, not activated	Engine Model/Series:	250-C20 SER
Registered Owner:	TERRE HAUTE HELICOPTER INC	Rated Power:	400 hp
Operator:	TERRE HAUTE HELICOPTER INC	Air Carrier Operating Certificate:	Agricultural Aircraft (137)
Operator Does Business As:	TERRE HAUTE HELICOPTER INC	Operator Designator Code:	1RGG

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KELD, 285 ft msl	Observation Time:	1253 CDT
Distance from Accident Site:	12 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	58°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	21°C / 1°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	9 knots, 290°	Visibility (RVR):	
Altimeter Setting:	30.15 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Atlanta, AR	Type of Flight Plan Filed:	None
Destination:	Atlanta, AR	Type of Clearance:	None
Departure Time:	1330 CDT	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious		

Administrative Information

Investigator In Charge (IIC):	Thomas Latson	Adopted Date:	01/12/2015
Additional Participating Persons:	Bill Kelly; FAA Little Rock FSDO; Little Rock, AR		
Publish Date:	01/12/2015		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=90229		

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