



National Transportation Safety Board Aviation Accident Final Report

Location:	Temple, TX	Accident Number:	CEN14CA098
Date & Time:	01/02/2014, 1700 CST	Registration:	N400XL
Aircraft:	BELL 206B	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Positioning		

Analysis

On January 2, 2014, about 1700 central standard time, a Bell 206B helicopter, N400XL, experienced a roll over while repositioning from the ramp to a mobile helipad. The pilot was not injured. The helicopter was registered to and operated by Engemann Aviation Services, LLC under the provisions of 14 Code of Federal Regulations Part 91 as a personal flight. Visual meteorological conditions prevailed for the flight, which originated from Draughon-Miller Central Texas Regional Airport (KTPL) in Temple, Texas.

The pilot reported he was relocating the helicopter from the parking ramp to a mobile helipad approximately 30 feet away. As the pilot lowered the helicopter onto the mobile helipad, the left rear skid slipped off the pad. The helicopter rolled over and impacted the ground on its right side. The rollover resulted in substantial damage to the main rotor head, including separation of the rotor blades, and separation of the tail boom.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's loss of control while landing on a mobile helipad.

Findings

Aircraft	Performance/control parameters - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event)
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Pilot Information

Certificate:	Commercial	Age:	54
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	Helicopter	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	Helicopter	Toxicology Performed:	
Medical Certification:	Class 2 With Waivers/Limitations	Last Medical Exam:	02/15/2013
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	06/30/2012
Flight Time:	11102 hours (Total, all aircraft), 3200 hours (Total, this make and model), 11012 hours (Pilot In Command, all aircraft), 37 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	BELL	Registration:	N400XL
Model/Series:	206B	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Restricted; Normal	Serial Number:	2115
Landing Gear Type:	High Skid;	Seats:	5
Date/Type of Last Inspection:	04/02/2013, Annual	Certified Max Gross Wt.:	3201 lbs
Time Since Last Inspection:		Engines:	1 Turbo Shaft
Airframe Total Time:	12177 Hours	Engine Manufacturer:	ROLLS-ROYC
ELT:	Not installed	Engine Model/Series:	250-C20
Registered Owner:	ENGEMANN AVIATION SERVICE LLC	Rated Power:	420 hp
Operator:	ENGEMANN AVIATION SERVICE LLC	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KTPL, 682 ft msl	Observation Time:	2255 UTC
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	256°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	7° C / -8° C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	8 knots, 360°	Visibility (RVR):	
Altimeter Setting:	30.43 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	TEMPLE, TX (TPL)	Type of Flight Plan Filed:	None
Destination:	Temple, TX (TPL)	Type of Clearance:	None
Departure Time:	1700 CST	Type of Airspace:	Class G

Airport Information

Airport:	DRAUGHON-MILLER CENTRAL TEXAS (TPL)	Runway Surface Type:	Asphalt
Airport Elevation:	682 ft	Runway Surface Condition:	Dry
Runway Used:	N/A	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	

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		

Administrative Information

Investigator In Charge (IIC):	Courtney Liedler	Adopted Date:	04/01/2014
Additional Participating Persons:			
Publish Date:	05/11/2016		
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=88622		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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