



National Transportation Safety Board Aviation Accident Data Summary

Location:	Olathe, KS	Accident Number:	CEN14CA338
Date & Time:	07/02/2014, 1500 CDT	Registration:	N225TV
Aircraft:	ROBINSON HELICOPTER R44	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

The pilot reported he landed at the airport without incident. During engine shutdown, he applied rotor brake to slow the main rotor blades. When the pilot released the brake, he heard a bang and felt an impact to the aircraft on the rear left side. He reapplied the main rotor brake intermittently until the blades stopped. The pilot exited the aircraft and noticed a tail boom strike occurred. He stated he input aft cyclic during landing to accommodate landing slightly downhill and did not place the controls in neutral during shutdown. According to the manufacture's shutdown procedures, the cyclic and pedals should be in the neutral position.

Flight Events

Standing-engine(s) shutdown - Miscellaneous/other

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The pilot's failure to follow the manufacturer's engine shutdown procedure.

Findings

Personnel issues-Task performance-Use of equip/info-Use of policy/procedure-Pilot - C

Pilot Information

Certificate:	Private	Age:	58
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	None
Flight Time:	1450 hours (Total, all aircraft), 950 hours (Total, this make and model), 39.4 hours (Last 90 days, all aircraft), 21.8 hours (Last 30 days, all aircraft), 1.3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	ROBINSON HELICOPTER	Registration:	N225TV
Model/Series:	R44 UNDESIGNAT	Engines:	1 Reciprocating
Operator:	KC Copters	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	On-demand Air Taxi (135)	Engine Model/Series:	0-540 SERIES
Flight Conducted Under:	Part 91: General Aviation - Business		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KOJC	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	Broken / 4500 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	15 knots/ 23 knots, 340°
Temperature:	22° C / 12° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Iola, KS	Destination:	OLATHE, KS (OJC)

Airport Information

Airport:	JOHNSON COUNTY EXECUTIVE (OJC)	Runway Surface Type:	Asphalt
Runway Used:	N/A	Runway Surface Condition:	Dry
Runway Length/Width:			

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Courtney Liedler	Adopted Date:	05/13/2015
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=89603		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.