



National Transportation Safety Board Aviation Accident Data Summary

Location:	HILLSBORO, OR	Accident Number:	SEA92LA088
Date & Time:	05/01/1992, 1225 PDT	Registration:	N5211Y
Aircraft:	HUGHES 369E	Injuries:	3 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

DURING AN PRACTICE AUTOROTATION THE PILOT APPLIED TOO MUCH COLLECTIVE TOO EARLY AND THE HELICOPTER LANDED HARD RESULTING IN THE MAIN ROTOR BLADES FLEXING DOWN AND SEVERING THE TAILBOOM ASSEMBLY.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
THE PILOT IN COMMAND'S EXCESSIVE APPLICATION OF COLLECTIVE.

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings
1. (C) COLLECTIVE - EXCESSIVE - PILOT IN COMMAND

Pilot Information

Certificate:	Commercial	Age:	35
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Helicopter
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	None
Flight Time:	5266 hours (Total, all aircraft), 10 hours (Total, this make and model), 4786 hours (Pilot In Command, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	HUGHES	Registration:	N5211Y
Model/Series:	369E 369E	Engines:	1 Turbo Shaft
Operator:	HILLSBORO HELICOPTERS INC.	Engine Manufacturer:	ALLISON
Operating Certificate(s) Held:	On-demand Air Taxi (135)	Engine Model/Series:	250-C20B
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Witness
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	13° C	Visibility	40 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	

Airport Information

Airport:	PORTLAND-HILLSBORO (HIO)	Runway Surface Type:	Grass/turf
Runway Used:	0	Runway Surface Condition:	Dry; Vegetation
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	STEVEN A MCCREARY	Adopted Date:	08/13/1993
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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