



National Transportation Safety Board Aviation Accident Data Summary

Location:	OCHOPEE, FL	Accident Number:	MIA85LA223
Date & Time:	08/01/1985, 1030 EDT	Registration:	N88AR
Aircraft:	Bell 47G-2	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

THE PLT STATED THAT HE DROPPED HIS PASSENGER OFF AT A WATER STATION IN THE EVERGLADES, WATER TAXIED AWAY FROM THE STATION, ACCELERATED UP TO 3100 RPM & JUST BEFORE HE ADDED COLLECTIVE PITCH THE TRANSMISSION ASS'Y DEPARTED THE HELICOPTER, IT ROLLED TO THE RIGHT & CAME TO REST INVERTED. NO DETERMINATION COULD BE MADE AS TO THE NATURE OF THE MAIN ROTOR ASS'Y SEPARATION AS DESCRIBED BY THE PILOT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: STANDING - ENGINE(S) OPERATING

Findings

1. (F) ROTOR DRIVE SYSTEM,MAIN GEARBOX/TRANSMISSION - SEPARATION
2. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: ROLL OVER
Phase of Operation: STANDING - ENGINE(S) OPERATING

Findings

3. TERRAIN CONDITION - WATER, GLASSY

Pilot Information

Certificate:	Commercial	Age:	30
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	None
Flight Time:	2229 hours (Total, all aircraft), 88 hours (Total, this make and model), 2151 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Bell	Registration:	N88AR
Model/Series:	47G-2 47G-2	Engines:	1 Reciprocating
Operator:	OCEAN AIR HELICOPTERS INC.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:		Engine Model/Series:	VO-435-A1B
Flight Conducted Under:	Part 91: General Aviation - Business		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MIA, 10 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	25° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	CLEWISTON, FL (X53)

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
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	BRUCE J HILL	Adopted Date:	
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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