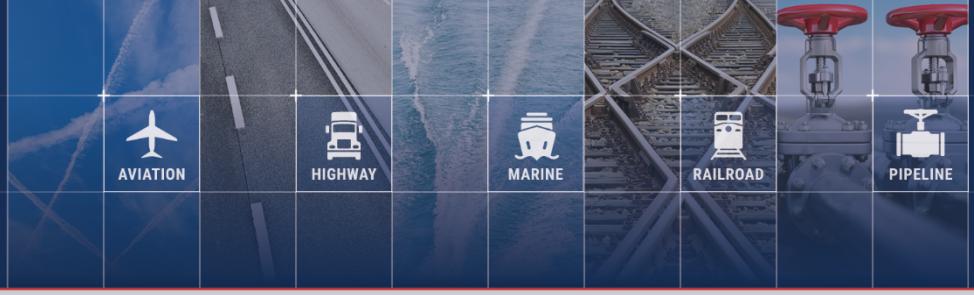

Aviation Investigation Final Report

Location:	SANFORD, Florida	**Accident Number:**	MIA90LA111
Date & Time:	April 26, 1990, 09:34 Local	**Registration:**	N5306V
Aircraft:	HILLER UH-12B	**Aircraft Damage:**	Substantial
Defining Event:		**Injuries:**	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

THE STUDENT PLT WAS ON A SOLO FLT, PRACTICING TRAFFIC PATTERN APPROACHES. HE STATED THAT AFTER TAKING OFF FROM HIS 4TH APCH, THE ENG LOST POWER & THE HELICOPTER YAWED TO THE LEFT. HE INITIATED AN AUTOROTATION, BUT THE HELICOPTER STRUCK THE GROUND & ROLLED OVER. AN OPERATIONAL CHECK OF THE ENG REVEALED NO REASON FOR THE RPRTD LOSS OF POWER.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: LOSS OF ENGINE POWER FOR AN UNKNOWN REASON.

Findings

Occurrence #1: LOSS OF ENGINE POWER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings
1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Findings

2. AUTOROTATION - PERFORMED - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Occurrence #4: ROLL OVER
Phase of Operation: LANDING

Factual Information

Pilot Information

Certificate:	Student	**Age:**	38,Male
Airplane Rating(s):	None	**Seat Occupied:**	Unknown
Other Aircraft Rating(s):	None	**Restraint Used:**	
Instrument Rating(s):	None	**Second Pilot Present:**	No
Instructor Rating(s):		**Toxicology Performed:**	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	**Last FAA Medical Exam:**	April 18, 1990
Occupational Pilot:	UNK	**Last Flight Review or Equivalent:**	
Flight Time:	21 hours (Total, all aircraft), 10 hours (Total, this make and model), 2 hours (Pilot In Command, all aircraft), 21 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	HILLER	**Registration:**	N5306V
Model/Series:	UH-12B UH-12B	**Aircraft Category:**	Helicopter
Year of Manufacture:		**Amateur Built:**	
Airworthiness Certificate:		**Serial Number:**	632
Landing Gear Type:	Skid	**Seats:**	3
Date/Type of Last Inspection:	Unknown	**Certified Max Gross Wt.:**	2500 lbs
Time Since Last Inspection:	0 Hrs	**Engines:**	1 Reciprocating
Airframe Total Time:		**Engine Manufacturer:**	FRANKLIN
ELT:	Not installed	**Engine Model/Series:**	6V-335-B
Registered Owner:	UNKNOWN	**Rated Power:**	210 Horsepower
Operator:		**Operating Certificate(s) Held:**	None
Operator Does Business As:		**Operator Designator Code:**	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	**Condition of Light:**	Day
Observation Facility, Elevation:	SFB ,55 ft msl	**Distance from Accident Site:**	
Observation Time:	09:34 Local	**Direction from Accident Site:**	
Lowest Cloud Condition:	Scattered / 3500 ft AGL	**Visibility**	10 miles
Lowest Ceiling:	None	**Visibility (RVR):**	
Wind Speed/Gusts:	8 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	120°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:		**Temperature/Dew Point:**	-18°C / -18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		**Type of Flight Plan Filed:**	None
Destination:		**Type of Clearance:**	None
Departure Time:	09:34 Local	**Type of Airspace:**	

Airport Information

Airport:	SANFORD RGNL SFB	**Runway Surface Type:**	
Airport Elevation:		**Runway Surface Condition:**	Dry
Runway Used:	0	**IFR Approach:**	None
Runway Length/Width:		**VFR Approach/Landing:**	Forced landing

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Meyer, Ronald
Additional Participating Persons:	TIMOTHY W MONVILLE;
Original Publish Date:	September 5, 1991
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=32649