

		NTSB ID: MIA04LA015		Aircraft Registration Number: N5519K	
		Occurrence Date: 10/30/2003		Most Critical Injury: Minor	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Ocala		State FL	Zip Code 34475	Local Time 1120	Time Zone EST
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Bellanca		Model/Series 8KCAB		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On October 30, 2003, about 1120 eastern standard time, a Bellanca 8KCAB, N5519K, registered to and operated by Rocky Top Aero Inc., impacted a tree while on approach to the Leeward Air Ranch, Ocala, Florida. Visual meteorological conditions prevailed at the time and no flight plan was filed for the Title14 CFR Part 91 instructional flight. The commercial-rated pilot/certified flight instructor (CFI) reported minor injuries and the private-rated pilot/student reported no injuries, and the aircraft incurred substantial damage. The flight had originated about 20 minutes earlier from the same airport.</p> <p>The CFI stated that he was instructing the student in a maneuver that called for a return to the departing runway after an engine failure. The CFI stated that he closed the throttle on the student as they crossed the departure end of runway 36, about 700 feet above the ground. The student started a left hand turn back to the runway at a bank angle of about 60 degrees, in order to make the runway. At some point during the turn the student applied an excessive rudder input, stalling and causing the aircraft to enter a spin. The CFI took the controls and recovered the airplane. During the recovery, the airplane struck an 8-inch diameter oak tree.</p> <p>The FAA inspector who responded to the accident stated that there was insufficient distance for the airplane to clear the oak tree grove from the altitude at which the CFI recovered. The aircraft struck the tree in a climbing attitude causing the fuselage to break and bend the left landing gear. The airplane rotated counterclockwise as it fell tail first through the remaining trees before impacting the ground tail first, which it then fell over coming to rest on its back.</p> <p>The pilot stated there were no mechanical failures or malfunctions to the airplane or any of its systems prior to the accident.</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: MIA04LA015			
		Occurrence Date: 10/30/2003			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation	Runway Used	Runway Length	Runway Width
Leeward Airranch	FD04	60 Ft. MSL	36	6250	175
Runway Surface Type: Grass/turf					
Runway Surface Condition: Dry					
Type Instrument Approach: Visual					
VFR Approach/Landing: Simulated Forced Landing					
Aircraft Information					
Aircraft Manufacturer		Model/Series		Serial Number	
Bellanca		8KCAB		384-78	
Airworthiness Certificate(s): Normal					
Landing Gear Type: Tailwheel					
Homebuilt Aircraft? No	Number of Seats: 2	Certified Max Gross Wt.	1650 LBS	Number of Engines: 1	
Engine Type:	Engine Manufacturer:	Model/Series:	Rated Power:		
Reciprocating	Lycoming	AEIO 320 E1B	150 HP		
- Aircraft Inspection Information					
Type of Last Inspection	Date of Last Inspection	Time Since Last Inspection	Airframe Total Time		
Annual	01/2003	75 Hours	75 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? Yes	ELT Aided in Locating Accident Site? No			
Owner/Operator Information					
Registered Aircraft Owner		Street Address			
Rocky Top Aero Inc.		9451 SE 72nd Ave.			
		City	State	Zip Code	
		Ocala	FL	34472	
Operator of Aircraft		Street Address			
Same as Reg'd Aircraft Owner		Same as Reg'd Aircraft Owner			
		City	State	Zip Code	
Operator Does Business As:			Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None					
Air Carrier Operating Certificate(s):					
Operating Certificate:					
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Instructional					

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: MIA04LA015
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	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 68
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Sex: M	Seat Occupied: Rear	Principal Profession: Business	Certificate Number: On File
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Certificate(s): Airline Transport; Flight Instructor

Airplane Rating(s): Multi-engine Land; Single-engine Land

Rotorcraft/Glider/LTA: None

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Multi-engine; Airplane Single-engine; Instrument Airplane

Type Rating/Endorsement for Accident/Incident Aircraft? No	Current Biennial Flight Review? 07/2003
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Medical Cert.: Class 2	Medical Cert. Status: Valid Medical--w/ waivers/lim.	Date of Last Medical Exam: 09/2003
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	308004	1000	2000	28000				0	0	0
Pilot In Command(PIC)										
Instructor										
Last 90 Days		30	30							
Last 30 Days										
Last 24 Hours										

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? Yes
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Flight Plan/Itinerary

Type of Flight Plan Filed: None

Departure Point Same as Accident/Incident Location	State	Airport Identifier FD04	Departure Time 0930	Time Zone EDT
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Destination Local Flight	State	Airport Identifier	
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Type of Clearance: VFR

Type of Airspace: Class G

Weather Information

Source of Briefing: Unknown

Method of Briefing:

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Weather Information

WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
FD04	1055	EST	60 Ft. MSL	NM	Deg. Mag.

Sky/Lowest Cloud Condition: Clear Ft. AGL Condition of Light: Day

Lowest Ceiling: None Ft. AGL Visibility: 10 SM Altimeter: 30.19 "Hg

Temperature: 22 °C Dew Point: 15 °C Wind Direction: 60 Density Altitude: Ft.

Wind Speed: 7 Gusts: Weather Conditions at Accident Site: Visual Conditions

Visibility (RVR): Ft. Visibility (RVV) SM Intensity of Precipitation:

Restrictions to Visibility: None

Type of Precipitation: None

Accident Information

Aircraft Damage: Substantial Aircraft Fire: Aircraft Explosion

Classification: U.S. Registered/U.S. Soil

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot					
Second Pilot					
Student Pilot				1	1
Flight Instructor			1		1
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -			1	1	2
Other Ground					
- GRAND TOTAL -			1	1	2

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: MIA04LA015

Occurrence Date: 10/30/2003

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

Jose L. Obregon

Additional Persons Participating in This Accident/Incident Investigation:

Michael D Curtis
Principal Operations Inspector
Orlando FSDO - 15
5950 Hazeltine National Dr
Orlando, FL 32822