



National Transportation Safety Board Aviation Accident Data Summary

Location:	MONROE CITY, MO	Accident Number:	CHI00LA104
Date & Time:	04/02/2000, 1800 CDT	Registration:	N1964
Aircraft:	Wilson RAF 2000 GTX SE	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The gyrocopter sustained substantial damage on impact with a tree and terrain following a takeoff from runway 15 for a local flight. The pilot and passenger sustained minor injuries. The pilot stated, 'I misread direction of wind from hanger area. I taxied to north end of runway and took off south with a 90 [degree] crosswind. When I passed over hanger area at the south end of runway I hit some turbulence. I should have did a emergency landing in the field south of runway, but chose to continue. At the south end of field that has trees on three sides I didn't have enough altitude to cross a ravine with trees. I hit the top of a large oak tree and fell 50 - 60 ft into the ravine.' The pilot listed his certificate and rating as private and single engine land. An on scene examination revealed no anomalies. Wind at Quincy, Illinois was 210 degrees at 7 knots. The pilot's safety recommendation stated, 'Take off the other direction.'

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot not obtaining clearance from the trees. Factors were the trees and the ravine terrain condition.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. WEATHER CONDITION - CROSSWIND
2. WIND INFORMATION - MISJUDGED - PILOT IN COMMAND
3. (F) OBJECT - TREE(S)
4. (C) ALTITUDE/CLEARANCE - NOT OBTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

5. (F) TERRAIN CONDITION - RAVINE

Pilot Information

Certificate:	Private	Age:	45
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	322 hours (Total, all aircraft), 74 hours (Total, this make and model), 271 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Wilson	Registration:	N1964
Model/Series:	RAF 2000 GTX SE RAF 2000 G	Engines:	1 Reciprocating
Operator:	DOUGLAS R. WILSON	Engine Manufacturer:	Subaru
Operating Certificate(s) Held:	None	Engine Model/Series:	2200 CC
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	UIN, 769 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	7 knots / , 210°
Temperature:	16° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	MONROE CITY, MO	Destination:	

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	EDWARD F MALINOWSKI	Adopted Date:	07/17/2001
Investigation Docket:	NTSB accident and incident docket 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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