



National Transportation Safety Board Aviation Accident Data Summary

Location:	Geneva, OH	Accident Number:	CHI08CA103
Date & Time:	04/03/2008, 1640 EDT	Registration:	N614TB
Aircraft:	Koleno Titan T-51	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The amateur-built airplane was substantially damaged during a forced landing during landing approach. The pilot reported that as he circled the airport, the engine speed went to 6,000 RPM. He stated that he pulled the power back, lowered the landing gear and increased the propeller pitch. He said that the airplane began to stall and he could not maintain altitude. He executed a forced landing to a wetland. The right wing struck the water and broke off spinning the airplane around. Subsequent examination of the controllable pitch propeller revealed that a jack screw pin had sheared allowing the prop to go to a fine pitch setting. One of the blade pitch stops also broke resulting in the blade moving into a reverse pitch position.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The failure of the propeller pitch control mechanism during approach. Contributing to the accident were the inability of the pilot to maintain airspeed and altitude, and the unsuitable terrain.

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: APPROACH

Findings

1. (C) PROPELLER SYSTEM/ACCESSORIES,PITCH CHANGE MECH - FAILURE

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

Findings

2. (F) AIRSPEED - NOT POSSIBLE - PILOT IN COMMAND
3. (F) ALTITUDE - NOT POSSIBLE - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: EMERGENCY DESCENT/LANDING

Findings

4. (F) TERRAIN CONDITION - SWAMPY
5. (F) UNSUITABLE TERRAIN OR TAKEOFF/LANDING/TAXI AREA - ENCOUNTERED - PILOT IN COMMAND

Pilot Information

Certificate:	Private	Age:	35
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1626 hours (Total, all aircraft), 350 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Koleno	Registration:	N614TB
Model/Series:	Titan T-51	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	Suzuki
Air Carrier Operating Certificate:	None	Engine Model/Series:	H27A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:		Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	6 knots, 210°
Temperature:		Visibility:	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Ashtabula, OH (HZY)	Destination:	Gevena, OH (7D9)

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	

Administrative Information

Investigator In Charge (IIC):	John M Brannen	Adopted Date:	06/30/2008
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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