



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	MADISON, WI	<b>Accident Number:</b>	CHI86FEP08
<b>Date &amp; Time:</b>	08/01/1986, 1808 CDT	<b>Registration:</b>	N128RM
<b>Aircraft:</b>	NORTH AMERICAN T28D-FENNEC	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 Minor
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

AFTER THE AIRCRAFT WAS INITIALLY TAXIED FOR TAKEOFF, THE PILOT RETURNED TO THE RAMP AND STATED THAT HE WAS EXPERIENCING ENGINE PROBLEMS. HE INQUIRED AT AN FBO ABOUT CHARTERING AN AIRCRAFT TO TAKE HIMSELF AND HIS SON TO AN EXPERIMENTAL AIRCRAFT ASSOCIATION CONVENTION AT OSHKOSH, WI. MECHANICS LOOKED AT THE AIRCRAFT, BUT NO SPECIFIC PROBLEM WAS IDENTIFIED. THE AIRCRAFT THEN DEPARTED AND SMOKE WAS OBSERVED COMING FROM THE AIRCRAFT AS IT LOST POWER. THE PILOT ATTEMPTED TO RETURN THE AIRPORT, HOWEVER, THE AIRCRAFT TOUCHED DOWN SHORT OF THE RUNWAY AND NOSED OVER IN A MARSH AREA.

## Probable Cause and Findings

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

## Findings

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Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. OPERATION WITH KNOWN DEFICIENCIES IN EQUIPMENT - INTENTIONAL - PILOT IN COMMAND
2. (C) REASON FOR OCCURRENCE UNDETERMINED

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Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

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Occurrence #3: NOSE OVER

Phase of Operation: LANDING - ROLL

Findings

3. (F) TERRAIN CONDITION - SOFT

## Factual Information

### Pilot Information

<b>Certificate:</b>	Flight Instructor; Commercial	<b>Age:</b>	52, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane Multi-engine; Airplane Single-engine	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	07/16/1986
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2200 hours (Total, all aircraft), 70 hours (Total, this make and model), 2000 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	NORTH AMERICAN	<b>Registration:</b>	N128RM
<b>Model/Series:</b>	T28D-FENNEC T28D-FENNE	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Experimental	<b>Serial Number:</b>	51-3528
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	07/10/1986, Annual	<b>Certified Max Gross Wt.:</b>	7400 lbs
<b>Time Since Last Inspection:</b>	5 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	5477 Hours	<b>Engine Manufacturer:</b>	WRIGHT
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	R1820-56
<b>Registered Owner:</b>	RONALD J. MAGGARD	<b>Rated Power:</b>	1100 hp
<b>Operator:</b>	RONALD J. MAGGARD	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MSN, 862 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	1808 CDT	Direction from Accident Site:	60°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	260°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	25° C / 15° C
Precipitation and Obscuration:			
Departure Point:	MADISON, WI (MSN)	Type of Flight Plan Filed:	None
Destination:	OSHKOSH, WI (OSH)	Type of Clearance:	VFR
Departure Time:	1806 CDT	Type of Airspace:	Class E

## 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
Total Injuries:	2 Minor	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	JOHNNY B PERKINS	Report Date:	01/25/1988
Additional Participating Persons:	M. O PETERSON; MILWAUKEE, WI CHARLES EBERT; MILWAUKEE, WI		
Publish 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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).