



National Transportation Safety Board Aviation Accident Final Report

Location:	KENOSHA, WI	Accident Number:	CHI86LA022
Date & Time:	11/01/1985, 1830 CST	Registration:	N92302
Aircraft:	CESSNA 182N	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

ACCORDING TO THE PILOT THE FLIGHT FROM TOLEDO TO THE KENOSHA AREA WAS UNEVENTFUL. DURING THE VOR APPROACH TO RWY 14 (APPROX 2 MILES FROM THE END OF THE RUNWAY) THE AIRCRAFT IMPACTED THE GROUND AND WAS DESTROYED. THE PILOT STATED THAT THE LAST THING HE REMEMBERED BEFORE IMPACT WAS SEEING 1100 FEET MSL ON HIS ALTIMETER. HE WAS USING THE CORRECT ALTIMETER SETTING. THE ALTIMETER WAS LATER GIVEN A COMPLETE SCALE ERROR CHECK AT AN INDEPENDENT AVIONICS REPAIR FACILITY. THE RESULTS OF THIS TEST INDICATED AN ERROR RANGE OF -400 FT AT A SIMULATED ALTITUDE OF 1000 FT TO -950 FT AT A SIMULATED ALTITUDE OF 20000 FT. IT IS A NON-ENCODING ALTIMETER AND WAS LAST CHECKED BY A CERTIFIED REPAIR STATION APPROXIMATELY 19 MONTHS PRIOR TO THE ACCIDENT.

Probable Cause and Findings

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

Findings

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

Findings

1. (F) FLIGHT/NAV INSTRUMENTS,ALTIMETER - FALSE INDICATION
 2. (C) MAINTENANCE,INSPECTION - NOT OBTAINED - PILOT IN COMMAND
 3. (C) MAINTENANCE,CALIBRATION - NOT OBTAINED - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

Factual Information

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	50, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	Helicopter	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	10/25/1985
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	2600 hours (Total, all aircraft), 175 hours (Total, this make and model), 2500 hours (Pilot In Command, all aircraft), 22 hours (Last 90 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N92302
Model/Series:	182N 182N	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	18260139
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	12/01/1984, Annual	Certified Max Gross Wt.:	2800 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1400 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed	Engine Model/Series:	O-470R
Registered Owner:		Rated Power:	230 hp
Operator:	MARSHALL H. DION	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	2 Miles
Lowest Ceiling:	Overcast / 500 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	7° C / -18° C
Precipitation and Obscuration:			
Departure Point:	TOLDEO, OH (TOL)	Type of Flight Plan Filed:	IFR
Destination:	KENOSHA, WI (ENW)	Type of Clearance:	IFR
Departure Time:	1500 EST	Type of Airspace:	

Airport Information

Airport:	KENOSHA MUNICIPAL (ENW)	Runway Surface Type:	Asphalt
Airport Elevation:	729 ft	Runway Surface Condition:	Wet
Runway Used:	14	IFR Approach:	VOR
Runway Length/Width:	4200 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	ROBERT BENZON	Report Date:	
Additional Participating Persons:	E. P HARRIGAN; 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 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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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](#).