



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	OSHKOSH, WI	<b>Accident Number:</b>	CHI86FA192
<b>Date &amp; Time:</b>	08/01/1986, 1302 CDT	<b>Registration:</b>	N52476
<b>Aircraft:</b>	CESSNA 177RG	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

THE IFR FLT EXPERIENCED AN ENGINE FAILURE DURING THE LANDING APCH TO THE DESTINATION APRT IN OSHKOSH, WI, AND THE PLT DITCHED THE ACFT IN LAKE WINNEBAGO. EXAM OF THE ACFT SHOWED THAT THE ENG FAILED DUE TO FUEL EXHAUSTION. THE PLT REPORTED THERE WERE 60 GALLONS OF FUEL ON BOARD AT TAKEOFF. THE DITCHING OCCURRED 4 HOURS AND 32 MINUTES AFTER TAKEOFF. THE MANUFACTURER'S FUEL CONSUMPTION CALCULATION WAS 10.8 GPH FOR THE ACFT IN CRUISE FLT AT 5,000 FT MSL USING 75 PERCENT POWER WITH THE MIXTURE LEANED TO PROVIDE AN APPROPRIATE FUEL/AIR RATIO.

## 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: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL  
Phase of Operation: DESCENT - NORMAL

### Findings

1. (C) FLUID,FUEL - EXHAUSTION
2. (C) PREFLIGHT PLANNING/PREPARATION - IMPROPER - PILOT IN COMMAND

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

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Occurrence #3: DITCHING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	58, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<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>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	12/03/1985
<b>Occupational Pilot:</b>	<b>Last Flight Review or Equivalent:</b>		
<b>Flight Time:</b>	784 hours (Total, all aircraft), 550 hours (Total, this make and model), 675 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N52476
<b>Model/Series:</b>	177RG 177RG	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	177RG1197
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	12/09/1985, Annual	<b>Certified Max Gross Wt.:</b>	2800 lbs
<b>Time Since Last Inspection:</b>	16 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	821 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	IO-360-A1B6D
<b>Registered Owner:</b>	CHARLES A. BODINE	<b>Rated Power:</b>	200 hp
<b>Operator:</b>	CHARLES A. BODINE	<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:	OSH, 805 ft msl	Distance from Accident Site:	3 Nautical Miles
Observation Time:	1253 CDT	Direction from Accident Site:	270°
Lowest Cloud Condition:	Scattered / 4000 ft agl	Visibility	20 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	280°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	25° C / 13° C
Precipitation and Obscuration:			
Departure Point:	LAKEVILLE, NY (D75)	Type of Flight Plan Filed:	IFR
Destination:		Type of Clearance:	IFR
Departure Time:	0930 EDT	Type of Airspace:	Class D

## Airport Information

Airport:	WITTMAN FIELD (OSH)	Runway Surface Type:	Water
Airport Elevation:	805 ft	Runway Surface Condition:	Water--choppy
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	6166 ft / 150 ft	VFR Approach/Landing:	Forced Landing; Straight-in

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	EDWARD J MCAVOY	Report Date:	01/25/1988
Additional Participating Persons:	D. NORTON; OSHKOSH, 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](#).