



National Transportation Safety Board Aviation Accident Final Report

Location:	HOWELL, MI	Accident Number:	CHI91LA040
Date & Time:	12/02/1990, 1020 EST	Registration:	N70608
Aircraft:	CESSNA 182	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

WHILE RETURNING FROM A ROUND ROBIN CROSS-COUNTRY FLIGHT, WITHOUT REFUELING, THE PLT SAID THAT THE ENGINE FAILED. AN EMERGENCY LDG WAS ATTEMPTED IN A WHEAT FIELD WHICH RESULTED IN A NOSE OVER. POST ACCIDENT INVESTIGATION REVEALED THE FUEL SYSTEM TO BE EMPTY OF USABLE FUEL.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FUEL EXHAUSTION DUE TO RE-FUELING NOT PERFORMED BY THE PIC. CONTRIBUTING FACTORS WERE FUEL CONSUMPTION CALCULATIONS MISJUDGED BY THE PIC.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: CRUISE

Findings

1. (C) FLUID,FUEL - EXHAUSTION
2. (C) REFUELING - NOT PERFORMED - PILOT IN COMMAND
3. (F) FUEL CONSUMPTION CALCULATIONS - MISJUDGED - PILOT IN COMMAND

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

Occurrence #3: NOSE OVER
Phase of Operation: LANDING

Findings

4. (F) TERRAIN CONDITION - NONE SUITABLE

Factual Information

Pilot Information

Certificate:	Private	Age:	60, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Unknown	Last FAA Medical Exam:	12/28/1988
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	314 hours (Total, all aircraft), 279 hours (Total, this make and model), 314 hours (Pilot In Command, all aircraft), 27 hours (Last 90 days, all aircraft), 18 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N70608
Model/Series:	182 182	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:		Serial Number:	18259324
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	2800 lbs
Time Since Last Inspection:	0 Hours	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-470-R
Registered Owner:	FOX, JOSEPH R.	Rated Power:	230 hp
Operator:	FOX, JOSEPH R.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	PTK, 980 ft msl	Distance from Accident Site:	25 Nautical Miles
Observation Time:	1045 EST	Direction from Accident Site:	80°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	15 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	12 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	20°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	1°C / -6°C
Precipitation and Obscuration:			
Departure Point:	BEAVER ISLAND, MI (SJX)	Type of Flight Plan Filed:	None
Destination:	BELLVILLE, MI (436)	Type of Clearance:	None
Departure Time:	0800 EST	Type of Airspace:	

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	JOHN R HRUBAN	Report Date:	09/28/1992
Additional Participating Persons:	WILLIAM PARRIS; DETROIT, MI		
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 pubinquiry@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](#).