



# National Transportation Safety Board Aviation Accident Data Summary

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<b>Location:</b>	HOWELL, MI	<b>Accident Number:</b>	CHI91LA040
<b>Date &amp; Time:</b>	12/02/1990, 1020 EST	<b>Registration:</b>	N70608
<b>Aircraft:</b>	CESSNA 182	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## 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

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

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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

### Findings

4. (F) TERRAIN CONDITION - NONE SUITABLE

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	60
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	
<b>Flight Time:</b>	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

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N70608
<b>Model/Series:</b>	182 182	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	FOX, JOSEPH R.	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	O-470-R
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	PTK, 980 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	None / 0 ft agl	<b>Wind Speed/Gusts, Direction:</b>	12 knots / , 20°
<b>Temperature:</b>	1° C	<b>Visibility</b>	15 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	BEAVER ISLAND, MI (SJX)	<b>Destination:</b>	BELLVILLE, MI (436)

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Latitude, Longitude:</b>			

## Administrative Information

<b>Investigator In Charge (IIC):</b>	JOHN R HRUBAN	<b>Adopted Date:</b>	09/28/1992
<b>Investigation Docket:</b>	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:pubin@ntsb.gov">pubin@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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