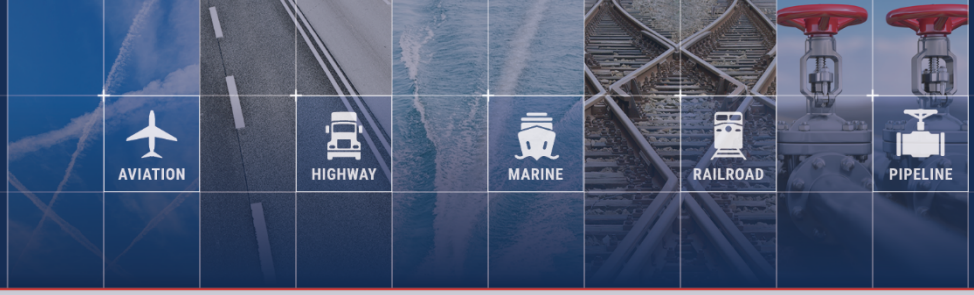

Aviation Investigation Final Report

Location:	BARRON, Wisconsin	**Accident Number:**	CHI90LA035
Date & Time:	November 30, 1989, 14:00 Local	**Registration:**	N8749D
Aircraft:	PIPER PA-22	**Aircraft Damage:**	Substantial
Defining Event:		**Injuries:**	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER USE OF THE CARBURETOR HEAT BY THE PILOT AND SUBSEQUENT CARBURETOR ICE. CONTRIBUTING FACTORS WERE: CARBURETOR ICING CONDITIONS, SLICK (WET/SNOW COVERED) RUNWAY, AND TREES/BRUSH NEAR THE DEPARTURE END OF THE RUNWAY.

Findings

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

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

Occurrence #3: OVERRUN
Phase of Operation: LANDING - ROLL

Occurrence #4: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Private	**Age:**	40,Male
Airplane Rating(s):	Single-engine land; Single-engine sea	**Seat Occupied:**	Left
Other Aircraft Rating(s):	None	**Restraint Used:**	
Instrument Rating(s):	None	**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim	**Last FAA Medical Exam:**	February 7, 1989
Occupational Pilot:	No	**Last Flight Review or Equivalent:**	
Flight Time:	1382 hours (Total, all aircraft), 25 hours (Total, this make and model), 27 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	**Registration:**	N8749D
Model/Series:	PA-22 PA-22	**Aircraft Category:**	Airplane
Year of Manufacture:		**Amateur Built:**	
Airworthiness Certificate:	Normal	**Serial Number:**	22-5932
Landing Gear Type:	Tricycle	**Seats:**	4
Date/Type of Last Inspection:	May 27, 1989 Annual	**Certified Max Gross Wt.:**	2000 lbs
Time Since Last Inspection:	5 Hrs	**Engines:**	1 Reciprocating
Airframe Total Time:	2439 Hrs	**Engine Manufacturer:**	LYCOMING
ELT:	Installed, not activated	**Engine Model/Series:**	O-320-B2A
Registered Owner:	SOVIA, JOHN L	**Rated Power:**	160 Horsepower
Operator:	SOVIA, JOHN L.	**Operating Certificate(s) Held:**	None
Operator Does Business As:		**Operator Designator Code:**	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	**Condition of Light:**	Day
Observation Facility, Elevation:		**Distance from Accident Site:**	
Observation Time:		**Direction from Accident Site:**	
Lowest Cloud Condition:	Clear	**Visibility**	10 miles
Lowest Ceiling:	None	**Visibility (RVR):**	
Wind Speed/Gusts:	12 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	270°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:	30 inches Hg	**Temperature/Dew Point:**	-1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	ANOKA , MN (NONE)	**Type of Flight Plan Filed:**	None
Destination:	(WI15)	**Type of Clearance:**	None
Departure Time:	13:00 Local	**Type of Airspace:**	Class G

Airport Information

Airport:	BARRON WI15	**Runway Surface Type:**	Grass/turf
Airport Elevation:	1113 ft msl	**Runway Surface Condition:**	Snow
Runway Used:	27	**IFR Approach:**	None
Runway Length/Width:	2585 ft / 265 ft	**VFR Approach/Landing:**	Forced landing

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Reeves, Jodi
Additional Participating Persons:	B JOHNSON; MINNEAPOLIS , MN
Original Publish Date:	September 5, 1990
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=14598