



# National Transportation Safety Board Aviation Accident Data Summary

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<b>Location:</b>	MAYBROOK, NY	<b>Accident Number:</b>	NYC88LA100
<b>Date &amp; Time:</b>	03/01/1988, 1017 EST	<b>Registration:</b>	N16255
<b>Aircraft:</b>	PIPER PA-28-180	<b>Injuries:</b>	1 Minor
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

THE PIPER PA-28 TOOK OFF FOR A LOCAL PLEASURE FLIGHT. AFTER TAKEOFF THE PILOT NOTICED THAT THE ENGINE WAS RUNNING ROUGH AND HE HAD LOST HIS OIL PRESSURE. THE ENGINE SEIZED AND AN OFF-AIRPORT LANDING WAS MADE IN A SNOW COVERED FIELD. POST-CRASH EXAMINATION OF THE AIRCRAFT SHOWED THE VACUUM PUMP PHYSICALLY MISSING FROM THE AIRCRAFT. THE REASON FOR ITS BEING MISSING WAS NOT DETERMINED.

## Probable Cause

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

## Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF  
Phase of Operation: CRUISE - NORMAL

### Findings

1. (C) ENGINE ACCESSORIES,VACUUM PUMP - MISSING
2. (C) AIRCRAFT PREFLIGHT - INADEQUATE - PILOT IN COMMAND
3. (C) FLUID,OIL - LOSS,TOTAL
4. POWERPLANT - SEIZED

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

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

### Findings

5. (F) TERRAIN CONDITION - SNOW COVERED
6. (F) TERRAIN CONDITION - ROUGH/UNEVEN

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	38
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	2010 hours (Total, all aircraft), 456 hours (Total, this make and model), 1768 hours (Pilot In Command, all aircraft), 104 hours (Last 90 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N16255
<b>Model/Series:</b>	PA-28-180 PA-28-180	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	QUADE'S FLIGHT SCHOOL	<b>Engine Manufacturer:</b>	LYCOMING
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	O-360-A4A
<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>	, 0 ft msl	<b>Weather Information Source:</b>	Pilot
<b>Lowest Ceiling:</b>	Unknown / 0 ft agl	<b>Wind Speed/Gusts, Direction:</b>	/ ,
<b>Temperature:</b>		<b>Visibility</b>	6 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>		<b>Destination:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<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>	ROBERT L HANCOCK	<b>Adopted Date:</b>	11/07/1989
<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: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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