



National Transportation Safety Board Aviation Accident Data Summary

Location:	SOLDIER SUMMIT, UT	Accident Number:	SEA92LA066
Date & Time:	04/01/1992, 1400 MST	Registration:	N582MK
Aircraft:	AVID AIRCRAFT MARK IV	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

ONE OF 3 AVID AIRCRAFT MARK IV'S IN A CROSS COUNTRY FLIGHT ENCOUNTERED A TOTAL POWER LOSS WHILE CRUISING AT 8500 FEET MSL. THE PILOT WAS UNABLE TO RESTART THE ENGINE AND EXECUTED A FORCED LANDING ON SNOW COVERED TERRAIN DURING WHICH THE AIRCRAFT NOSED OVER. THE AIRCRAFT HAD SUSTAINED A SIMILAR POWER LOSS ON THE PREVIOUS DAY'S FLIGHT AND THE ENGINE DRIVEN PULSE TYPE FUEL PUMP HAD BEEN REPLACED 147 HOURS PREVIOUS IN ANOTHER POWER LOSS OCCURRENCE. THE PILOT REPORTED THAT INSUFFICIENT FUEL PUMP PRESSURE RESULTED IN FUEL STARVATION AND THE SUBSEQUENT POWER LOSS.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE FUEL PUMP DELIVERING TOO LOW FUEL PRESSURE. A FACTOR CONTRIBUTING TO THE ACCIDENT WAS THE SNOW COVERED TERRAIN.

Findings

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

Findings

1. (C) FUEL SYSTEM,PUMP - PRESSURE TOO LOW
 2. FLUID,FUEL - STARVATION
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Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: NOSE OVER
Phase of Operation: LANDING - ROLL

Findings

3. (F) TERRAIN CONDITION - SNOW COVERED
4. AIRCRAFT CONTROL - NOT POSSIBLE - PILOT IN COMMAND

Pilot Information

Certificate:	Private	Age:	32
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	428 hours (Total, all aircraft), 379 hours (Total, this make and model), 428 hours (Pilot In Command, all aircraft), 37 hours (Last 90 days, all aircraft), 9 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AVID AIRCRAFT	Registration:	N582MK
Model/Series:	MARK IV MARK IV	Engines:	1 Reciprocating
Operator:	AVID AIRCRAFT, INC.	Engine Manufacturer:	ROTAX
Operating Certificate(s) Held:	None	Engine Model/Series:	582LC
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 270°
Temperature:	10° C	Visibility	99 Miles
Precipitation and Obscuration:			
Departure Point:	WENDOVER, UT (ENV)	Destination:	PRICE, UT (PUC)

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	STEVEN A MCCREARY	Adopted Date:	09/29/1993
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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