



National Transportation Safety Board Aviation Accident Data Summary

Location:	L. SUSITNA RIV, AK	Accident Number:	ANC90LA081
Date & Time:	06/01/1990, 1345 AKD	Registration:	N4623T
Aircraft:	MAULE M4	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

THE PILOT REPORTED THAT HE WAS ATTEMPTING TO COMPLETE A FLIGHT FROM ANCHORAGE TO MCGRATH AND RETURN WITHOUT REFUELING. HE TOPPED OFF THE FUEL TANKS IN ANCHORAGE PRIOR TO DEPARTURE. PRIOR TO LEAVING MCGRATH, HE VISUALLY INSPECTED, BUT DID NOT STICK THE TANKS. HE THOUGHT THE FUEL TANKS WERE SLIGHTLY MORE THAN ONE-HALF FULL. APPROXIMATELY 10 MILES FROM ANCHORAGE THE ENGINE SPATTERED AND EVENTUALLY STOPPED. A FORCED LANDING WAS MADE IN THE TUNDRA. THE PILOT LATER STATED THAT IT IS MOST LIKELY THAT THE ENGINE QUIT DUE TO FUEL EXHAUSTION.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FUEL MISMANAGEMENT IN NOT HAVING SUFFICIENT FUEL TO REACH HIS DESTINATION.

Findings

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

Findings

1. (C) FLUID,FUEL - EXHAUSTION
2. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND

Occurrence #2: FORCED LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

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

Pilot Information

Certificate:	Commercial	Age:	35
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	510 hours (Total, all aircraft), 20 hours (Total, this make and model), 500 hours (Pilot In Command, all aircraft), 40 hours (Last 90 days, all aircraft), 25 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	MAULE	Registration:	N4623T
Model/Series:	M4 M4	Engines:	1 Reciprocating
Operator:	BURTS, DOUGLAS A	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	O-300A
Flight Conducted Under:	Part 91: General Aviation - Business		

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:	Broken / 6000 ft agl	Wind Speed/Gusts, Direction:	/ ,
Temperature:	-18° C	Visibility	50 Miles
Precipitation and Obscuration:			
Departure Point:	MCGRATH, AK (MCG)	Destination:	ANCHORAGE, AK (ANC)

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):	JAMES D LABELLE	Adopted Date:	08/28/1992
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 pubin@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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