



Aviation Investigation Final Report

Location:	MCCALL, Idaho	Accident Number:	SEA91FA175
Date & Time:	July 16, 1991, 18:42 Local	Registration:	N7216N
Aircraft:	CESSNA TU206G	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal
Flight Conducted Under:	Part 91: General aviation - Positioning		

Analysis

WHILE IN THE PATTERN FOR LANDING, THE ENGINE EXPERIENCED A LOSS OF POWER. THE PILOT WAS UNABLE TO LAND ON THE RUNWAY AND A FORCED LANDING WAS INITIATED TO AN OPEN SCHOOL YARD. DURING THE EMERGENCY DESCENT, THE AIRPLANE COLLIDED WITH POWER LINES AND STRUCK THE GROUND IN A NOSE DOWN ATTITUDE, VERTICAL TO THE TERRAIN. DURING THE ON SCENE INVESTIGATION, IT WAS FOUND THAT THE SPARK PLUGS WERE COATED WITH A LAYER OF BLACK CARBON. COCKPIT INSPECTION REVEALED THAT THE AUXILIARY FUEL PUMP SWITCH WAS POSITIONED IN THE LOW SETTING. THERE WERE NO MECHANICAL FAILURES OR MALFUNCTIONS NOTED.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: PROCEDURES/DIRECTIVES WERE NOT FOLLOWED. FACTORS TO THE ACCIDENT WERE: IMPROPER FUEL BOOST PUMP SELECTOR POSITION, LEADED SPARK PLUGS AND SUNGLARE.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: APPROACH - VFR PATTERN - BASE LEG/BASE TO FINAL

Findings

1. (F) IGNITION SYSTEM, SPARK PLUG - LEADED

2. (F) FUEL BOOST PUMP SELECTOR POSITION - IMPROPER - PILOT IN COMMAND
3. (C) PROCEDURES/DIRECTIVES - NOT FOLLOWED - PILOT IN COMMAND
4. MAINTENANCE,INSPECTION - POOR - COMPANY MAINTENANCE PERSONNEL

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: DESCENT - EMERGENCY

Findings

5. OBJECT - WIRE,STATIC
6. (F) LIGHT CONDITION - SUNGLARE

Factual Information

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	60, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	Glider	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	Yes
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	August 22, 1990
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	3341 hours (Total, all aircraft), 496 hours (Total, this make and model), 3223 hours (Pilot In Command, all aircraft), 56 hours (Last 90 days, all aircraft), 22 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N7216N
Model/Series:	TU206G TU206G	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:		Serial Number:	U20603566
Landing Gear Type:	Tricycle	Seats:	6
Date/Type of Last Inspection:	June 11, 1991 100 hour	Certified Max Gross Wt.:	3600 lbs
Time Since Last Inspection:	77 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3393 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated	Engine Model/Series:	TSIO-520-M
Registered Owner:	MCCALL AIR TAXI	Rated Power:	310 Horsepower
Operator:	MCCALL AIR TAXI	Operating Certificate(s) Held:	On-demand air taxi (135)
Operator Does Business As:		Operator Designator Code:	GBWA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	MYL ,5023 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	18:57 Local	Direction from Accident Site:	160°
Lowest Cloud Condition:	Scattered / 5000 ft AGL	Visibility	45 miles
Lowest Ceiling:	Broken / 9000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	4 knots / 5 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	210°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	22°C / 7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	BOISE , ID (BOI)	Type of Flight Plan Filed:	Company VFR
Destination:	MCCALL , ID (MYL)	Type of Clearance:	None
Departure Time:	18:00 Local	Type of Airspace:	

Airport Information

Airport:	MCCALL MYL	Runway Surface Type:	
Airport Elevation:	5023 ft msl	Runway Surface Condition:	
Runway Used:	16	IFR Approach:	None
Runway Length/Width:	5000 ft / 75 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Fatal	Latitude, Longitude:	45.069011,-115.969879(est)

Administrative Information

Investigator In Charge (IIC): Eckrote, Debra

Additional Participating Persons: JOHN BLACK; BOISE , ID
SCOTT BOYLE; ARVADA , CO
JERRY SHOEMAKER; WICHITA , KS

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Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=41328>

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