



National Transportation Safety Board Aviation Accident Final Report

Location:	HUNGRY HORSE, MT	Accident Number:	DEN90LA060
Date & Time:	02/21/1990, 1928 MST	Registration:	N91146
Aircraft:	CESSNA T207	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

AIRSPUR FLT 500, A DOMESTIC CARGO FLT, DEPARTED KALISPELL, MT, AT 1903 MDT WITH AN IFR FLT PLAN TO GREAT FALLS, MT. AT 1922, THE PLT NOTIFIED SALT LAKE ARTCC HE WAS RETURNING TO KALISPELL DUE TO A ROUGH RUNNING ENG. SHORTLY THEREAFTER, THE PLT REPORTED THE ENG HAD FAILED COMPLETELY. THE PLT MADE AN EMERG FORCED LANDING ON A MOUNTAIN RIDGE AT THE APRX 5500 FT LEVEL IN IFR CONDITIONS. ACCIDENT LOCATION WAS APRX 18 NM EAST OF KALISPELL. ENG DISASSEMBLY LATER REVEALED THE #4 CONNECTING ROD HAD FAILED CATASTROPHICALLY.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FAILURE OF THE #4 CONNECTING ROD. FACTORS RELATED TO THE ACCIDENT WERE: THE ADVERSE WEATHER CONDITIONS AND LACK OF SUITABLE TERRAIN FOR A FORCED LANDING.

Findings

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

Findings

1. (C) ENGINE ASSEMBLY,CONNECTING ROD - FAILURE,TOTAL

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

Findings

2. (F) WEATHER CONDITION - CLOUDS
3. (F) WEATHER CONDITION - SNOW
4. (F) WEATHER CONDITION - OBSCURATION

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

5. (F) TERRAIN CONDITION - NONE SUITABLE
6. (F) TERRAIN CONDITION - MOUNTAINOUS/HILLY

Factual Information

Pilot Information

Certificate:	Commercial	Age:	39, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	11/09/1989
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	1850 hours (Total, all aircraft), 27 hours (Total, this make and model), 1710 hours (Pilot In Command, all aircraft), 63 hours (Last 90 days, all aircraft), 49 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N91146
Model/Series:	T207 T207	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	20700090
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	02/01/1990, AAIP	Certified Max Gross Wt.:	3800 lbs
Time Since Last Inspection:	45 Hours	Engines:	1 Reciprocating
Airframe Total Time:	10455 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	TSIO-520-G
Registered Owner:	CORPORATE AIR	Rated Power:	300 hp
Operator:	CORPORATE AIR	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:		Operator Designator Code:	HSYA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	FCA, 2972 ft msl	Distance from Accident Site:	27 Nautical Miles
Observation Time:	1953 MST	Direction from Accident Site:	287°
Lowest Cloud Condition:	Scattered / 4400 ft agl	Visibility	15 Miles
Lowest Ceiling:	Overcast / 4800 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	170°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	3°C / -1°C
Precipitation and Obscuration:			
Departure Point:	KALISPELL, MT (FCA)	Type of Flight Plan Filed:	IFR
Destination:	GREAT FALLS, MT (GTF)	Type of Clearance:	IFR
Departure Time:	1903 MST	Type of Airspace:	Class E

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	ARNOLD W SCOTT	Report Date:	03/05/1993
Additional Participating Persons:	PAUL KILMER; HELENA, MT RICHARD BRODOWY; HELENA, MT SCOTT BOYLE; MOBILE, AL		
Publish Date:			
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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