



National Transportation Safety Board Aviation Accident Data Summary

Location:	MCGEHEE, AR	Accident Number:	FTW94LA256
Date & Time:	08/01/1994, 1900 CDT	Registration:	N45297
Aircraft:	AIR TRACTOR AT-401	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Ferry		

Analysis

AERIAL APPLICATION WORK WAS COMPLETED AT ONE LOCATION. THE AIRPLANE WAS IN CRUISE FLIGHT AT 700 FEET ABOVE THE GROUND TO ANOTHER LOCATION, WHEN A TOTAL LOSS OF ENGINE POWER OCCURRED. AN EMERGENCY DESCENT AND APPROACH WAS MADE TO A COTTON TURN ROW. DURING THE LANDING ROLL ON THE ROUGH TURN ROW, THE AIRPLANE GROUND LOOPED. EXAMINATION OF THE ENGINE REVEALED THE FAILURE OF A BEARING IN THE BLOWER SECTION CAUSED THE ENGINE TO SEIZE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: TOTAL LOSS OF ENGINE POWER AS THE ENGINE SEIZED DUE TO A BLOWER BEARING FAILURE. A FACTOR WAS THE LACK OF SUITABLE TERRAIN FOR THE FORCED LANDING.

Findings

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

Findings

1. (C) ENG ASSEMBLY, BLOWER/IMPELLER/INTEGRAL SUPERCHARGER - FAILURE, TOTAL

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

Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

2. (F) TERRAIN CONDITION - NONE SUITABLE
3. TERRAIN CONDITION - ROUGH/UNEVEN

Occurrence #4: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

4. GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND

Pilot Information

Certificate:	Commercial	Age:	29
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine
Flight Time:	5000 hours (Total, all aircraft), 1000 hours (Total, this make and model), 4900 hours (Pilot In Command, all aircraft), 300 hours (Last 90 days, all aircraft), 100 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AIR TRACTOR	Registration:	N45297
Model/Series:	AT-401 AT-401	Engines:	1 Reciprocating
Operator:	EVANS FLYING SERVICE	Engine Manufacturer:	P&W
Operating Certificate(s) Held:		Engine Model/Series:	R-1340-AN1
Flight Conducted Under:	Part 91: General Aviation - Ferry		

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:	Light and Variable / , 180°
Temperature:	32° C	Visibility	15 Miles
Precipitation and Obscuration:			
Departure Point:	KELSO, AR (NONE)	Destination:	JEROME, AR (NONE)

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):	JOYCE M SMITH,	Adopted Date:	11/14/1994
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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agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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