



National Transportation Safety Board Aviation Accident Data Summary

Location:	LISSIE, TX	Accident Number:	FTW89DRA06
Date & Time:	06/01/1989, 1545 CDT	Registration:	N6822Q
Aircraft:	GRUMMAN G-164B	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

THE ACFT WAS ON AN AERIAL APPLICATION FLIGHT WHEN A BIRD STRIKE OCCURRED AT THE AIR INTAKE AREA. IMPACT RESULTED IN DAMAGE TO THE ENGINE COMPRESSOR SECTION & THE ENGINE FLAMED OUT. THE PILOT MADE A FORCED LANDING INTO A PLANTED FIELD. DURING TOUCHDOWN, THE ACFT HIT A SMALL LEVEE AND FLIPPED OVER. NO SUITABLE LANDING AREA WAS AVAILABLE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A BIRD STRIKE WHICH RESULTED IN FOREIGN OBJECT DAMAGE TO THE ENGINE COMPRESSOR. A BERM AND THE LACK OF SUITABLE TERRAIN FOR A FORCED LANDING WERE CONTRIBUTING FACTORS.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings
1. (C) OBJECT - BIRD(S)

Occurrence #2: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings
2. (C) COMPRESSOR ASSEMBLY - FOREIGN OBJECT DAMAGE

Occurrence #3: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Findings
3. LOAD JETTISON

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

- 4. (F) TERRAIN CONDITION - NONE SUITABLE
- 5. (F) TERRAIN CONDITION - BERM

Pilot Information

Certificate:	Commercial	Age:	57
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	8600 hours (Total, all aircraft), 3000 hours (Total, this make and model), 8400 hours (Pilot In Command, all aircraft), 220 hours (Last 90 days, all aircraft), 70 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GRUMMAN	Registration:	N6822Q
Model/Series:	G-164B G-164B	Engines:	1 Turbo Prop
Operator:	LISSIE FLYING SERVICE	Engine Manufacturer:	GARRETT
Operating Certificate(s) Held:		Engine Model/Series:	TPE-331-43A
Flight Conducted Under:	Part 137: Agricultural		

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 / , 240°
Temperature:	33° C	Visibility	5 Miles
Precipitation and Obscuration:			
Departure Point:	LISSIE, TX (NONE)	Destination:	(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): JAMES R KRUG

Adopted Date: 04/24/1990

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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