



National Transportation Safety Board Aviation Accident Data Summary

Location:	PIXLEY, CA	Accident Number:	LAX95LA091
Date & Time:	02/01/1995, 1545 PST	Registration:	N705Y
Aircraft:	GRUMMAN G-164B	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

AFTER COMPLETING AN AERIAL APPLICATION SPRAY RUN, THE PILOT EXECUTED A CLIMBING 90/270-DEGREE TURN. DURING THE TURN, THE ENGINE SUSTAINED A LOSS OF POWER. THE PILOT EXECUTED AN EMERGENCY LANDING IN A WET, FRESHLY-PLOWED OPEN FIELD AND SUBSEQUENTLY NOSED OVER. THE POSTACCIDENT ENGINE EXAMINATION REVEALED THE NUMBER THREE CYLINDER WAS SPLIT BETWEEN THE SPARK PLUGS.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the total failure of the number three cylinder. The wet and soft terrain were factors in this accident.

Findings

Occurrence #1: LOSS OF ENGINE POWER
Phase of Operation: MANEUVERING

Findings

1. (C) ENGINE ASSEMBLY,CYLINDER - FAILURE,TOTAL

Occurrence #2: FORCED LANDING
Phase of Operation: MANEUVERING - TURN TO LANDING AREA (EMERGENCY)

Occurrence #3: NOSE OVER
Phase of Operation: LANDING

Findings

2. (F) TERRAIN CONDITION - WET
3. (F) TERRAIN CONDITION - SOFT

Pilot Information

Certificate:	Commercial	Age:	55
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	11812 hours (Total, all aircraft), 6000 hours (Total, this make and model), 11750 hours (Pilot In Command, all aircraft), 60 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GRUMMAN	Registration:	N705Y
Model/Series:	G-164B G-164B	Engines:	1 Reciprocating
Operator:	PIXLEY DUSTERS INC.	Engine Manufacturer:	P&W
Operating Certificate(s) Held:		Engine Model/Series:	R-1340-AN1
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:	2 knots / , 345°
Temperature:	13°C	Visibility	4 Miles
Precipitation and Obscuration:			
Departure Point:	EARLIMART, CA	Destination:	, CA

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):	A. D LLORENTE,	Adopted Date:	05/09/1995
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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