



National Transportation Safety Board Aviation Accident Data Summary

Location:	WINTERHAVEN, CA	Accident Number:	LAX84LA424
Date & Time:	08/01/1984, 0530 PDT	Registration:	N4099G
Aircraft:	BELL 47G-5A	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

THE ACFT COLLIDED WITH THE GROUND DURING A TAKEOFF ATTEMPT. ACCORDING TO THE PLT, AFTER THE ACFT WAS LOADED WITH 60 GALLONS OF PESTICIDE A TAKEOFF WAS BEGUN. THE ACFT BECAME AIRBORNE AND TRAVELED ABOUT 300 FT WHEN THE PLT INADVERTANTLY ALLOWED THE ROTOR RPM TO DECAY AND THE ACFT DESCENDED. PRIOR TO IMPACT THE PLT TRIED TO REGAIN RPM BUT WAS UNABLE TO BEFORE THE LEFT SKID DUG INTO THE SOFT SOIL THE ACFT PITCHED FORWARD AND CAME TO REST UPRIGHT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - NONMECHANICAL
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) ADEQUATE ROTOR RPM - NOT MAINTAINED - PILOT IN COMMAND
 2. (C) ROTOR RPM - INATTENTIVE - PILOT IN COMMAND
 3. (C) ABORT - ATTEMPTED - PILOT IN COMMAND
 4. (F) LOAD JETTISON - NOT PERFORMED - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

5. (F) TERRAIN CONDITION - SOFT

Pilot Information

Certificate:	Commercial	Age:	37
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	Helicopter
Flight Time:	9770 hours (Total, all aircraft), 650 hours (Total, this make and model), 9150 hours (Pilot In Command, all aircraft), 183 hours (Last 90 days, all aircraft), 112 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BELL	Registration:	N4099G
Model/Series:	47G-5A 47G-5A	Engines:	1 Reciprocating
Operator:	RIO VERDE HELICOPTERS, INC.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:		Engine Model/Series:	VO-435-B1A
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Dawn
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	27° C	Visibility	40 Miles
Precipitation and Obscuration:			
Departure Point:	WINTERHAVEN, AZ	Destination:	

Airport Information

Airport:		Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

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):	WAYNE POLLACK	Adopted 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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