



National Transportation Safety Board Aviation Accident Data Summary

Location:	Seabrook, TX	Accident Number:	DFW07CA126
Date & Time:	06/01/2007, 0800 CDT	Registration:	N61R
Aircraft:	Gray Jack Tean Rocket F1	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot overran the departure end of the grass runway during a precautionary landing following a partial loss of engine power. The 1,393-hour commercial pilot reported hearing a loud noise while in cruise flight, followed by a partial loss of engine power. The pilot attempted to land the high performance single-engine airplane on a 1,400-foot-long, by 75-foot-wide grass runway. The pilot, who had accumulated a total of 320-hours in the same make and model, reported that he "elected to set the plane down, knowing I would go-off the end of the runway." The homebuilt airplane overran the departure end of the grass runway and collided with trees and terrain. Both wings sustained structural damage. The pilot exited through the canopy with minor injuries. The pilot reported that the 260-horsepower engine had accumulated a total of 265-hours, with 7-hours since its last inspection. The reason for the partial loss of power could not be determined.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The loss of engine power for undetermined reason. A contributing factor was the lack of suitable terrain for the precautionary landing.

Findings

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

Findings

1. PRECAUTIONARY LANDING - ATTEMPTED - PILOT IN COMMAND
2. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: OVERRUN
Phase of Operation: EMERGENCY LANDING

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

Findings

3. TERRAIN CONDITION - SHORT RUNWAY/LANDING AREA
4. (F) TERRAIN CONDITION - NONE SUITABLE

Pilot Information

Certificate:	Commercial	Age:	68
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1393 hours (Total, all aircraft), 320 hours (Total, this make and model), 12 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Gray Jack	Registration:	N61R
Model/Series:	Tean Rocket F1	Engines:	1 Reciprocating
Operator:	Jack Gray	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-540-C4B5
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	HOU, 46 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 25000 ft agl	Wind Speed/Gusts, Direction:	/ ,
Temperature:	26 °C	Visibility	8 Miles
Precipitation and Obscuration:			
Departure Point:	LA PORTE, TX (T41)	Destination:	HONDO, TX (HDO)

Airport Information

Airport:	ALVIN AIRPARK (6R5)	Runway Surface Type:	Grass/turf
Runway Used:	21	Runway Surface Condition:	Wet
Runway Length/Width:	1420 ft / 75 ft		

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:	29.409167, -95.286667		

Administrative Information

Investigator In Charge (IIC):	Leah Yeager	Adopted Date:	07/25/2007
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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