



National Transportation Safety Board Aviation Accident Final Report

Location:	Los Angeles, CA	Accident Number:	LAX07CA120
Date & Time:	04/02/2007, 1729 PDT	Registration:	N320
Aircraft:	Carpenter Lancair 320	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The airplane collided with a fence during a rejected takeoff following a partial loss of engine power. The pilot reported that after the airplane lifted off the ground, he retracted the landing gear. Just abeam the tower, he felt a "jolt/engine burp," and noted that he was about 100 feet above the ground. He reduced the power, but was not able to lower the landing gear prior to the airplane touching down on the remaining runway. The airplane slid down the runway, and came to a stop after impacting the airport perimeter fence. A Federal Aviation Administration airworthiness inspector examined the engine following the accident and noted that the number 2 fuel injection nozzle was clogged with unidentified debris that would crumble when touched. Inspection of the number 2 cylinder combustion chamber revealed a white coloration on the cylinder walls consistent with a lean fuel condition. No anomalies were noted with the remaining fuel injection nozzles and the other cylinders' combustion chambers.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: contamination of the number 2 fuel injector nozzle that lead to a partial loss of engine power.

Findings

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

Findings

1. (C) FUEL SYSTEM,NOZZLE - OBSTRUCTED

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

Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: EMERGENCY LANDING AFTER TAKEOFF

Findings

2. OBJECT - FENCE

Factual Information

Pilot Information

Certificate:	Private	Age:	51, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3	Last Medical Exam:	05/01/2005
Occupational Pilot:		Last Flight Review or Equivalent:	10/01/2005
Flight Time:	1380 hours (Total, all aircraft), 100 hours (Total, this make and model), 30 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 Manufacturer:	Carpenter	Registration:	N320
Model/Series:	Lancair 320	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	504-320-242FB
Landing Gear Type:	Retractable - Tricycle	Seats:	2
Date/Type of Last Inspection:	02/01/2007, Conditional	Certified Max Gross Wt.:	2200 lbs
Time Since Last Inspection:	20.3 Hours	Engines:	1 Reciprocating
Airframe Total Time:	521.3 Hours	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	IO-360-A2B
Registered Owner:	Jon J. Carpenter	Rated Power:	200 hp
Operator:	Jon J. Carpenter	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	BUR, 778 ft msl	Observation Time:	1753 PDT
Distance from Accident Site:	4 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	140°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	20° C / 10° C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	6 knots, 140°	Visibility (RVR):	
Altimeter Setting:	29.99 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Los Angeles, CA (WHP)	Type of Flight Plan Filed:	None
Destination:	Los Angeles, CA (WHP)	Type of Clearance:	VFR
Departure Time:	1729 PDT	Type of Airspace:	

Airport Information

Airport:	WHITEMAN (WHP)	Runway Surface Type:	Asphalt
Airport Elevation:	1003 ft	Runway Surface Condition:	Dry
Runway Used:	12	IFR Approach:	None
Runway Length/Width:	4120 ft / 75 ft	VFR Approach/Landing:	Forced Landing

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
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	Tealeye C Cornejo	Adopted Date:	06/27/2007
Additional Participating Persons:	Homayoun Jandaghi; Federal Aviation Administration; Van Nuys, CA		
Publish Date:			

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/>.

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government 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.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.