



National Transportation Safety Board Aviation Accident Final Report

Location:	FAIRFIELD, CA	Accident Number:	LAX84LA086
Date & Time:	12/01/1983, 1645 PST	Registration:	N48886
Aircraft:	CESSNA 152	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation -		

Analysis

AFTER TAKING OFF & WHILE CLIMBING THRU ABOUT 100 TO 300 FT, THE ENG LOST POWER. DURING A FORCED LANDING, THE ACFT IMPACTED A FENCE & A BERM, AND WENT OVER RAILROAD TRACKS, THEN CAME TO REST INVERTED IN A DITCH. AN EXAM OF THE ACFT REVEALED CORROSION IN THE FUEL STRAINER. ABOUT 1 1/2 CUPS OF WATER WAS DRAINED FROM THE RIGHT FUEL TANK LINE & ABOUT 1/8 CUP OF WATER WAS DRAINED FROM THE LEFT FUEL TANK LINE. THIS WAS THE 1ST FLT SINCE THE ENG HAD BEEN REBUILT & INSTALLED.

Probable Cause and Findings

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

Findings

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

Findings

1. (C) MAINTENANCE - IMPROPER
2. (C) FLUID,FUEL - CONTAMINATION
3. (C) BLEED AIR SYSTEM,VALVE - CORRODED
4. (C) FLUID,FUEL - WATER
5. (C) AIRCRAFT PREFLIGHT - INADEQUATE - PILOT IN COMMAND

Occurrence #2: FORCED LANDING
Phase of Operation: LANDING

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

Findings

6. (F) OBJECT - FENCE

Occurrence #4: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

7. (F) TERRAIN CONDITION - DIRT BANK/RISING EMBANKMENT
8. (F) TERRAIN CONDITION - ROUGH/UNEVEN

Occurrence #5: NOSE OVER
Phase of Operation: LANDING - ROLL

Findings

9. (F) TERRAIN CONDITION - DITCH

Factual Information

Pilot Information

Certificate:	Flight Engineer; Private	Age:	44, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):		Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	08/20/1983
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	715 hours (Total, all aircraft), 260 hours (Total, this make and model), 610 hours (Pilot In Command, all aircraft), 23 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N48886
Model/Series:	152 152	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Utility	Serial Number:	15281029
Landing Gear Type:	Tricycle	Seats:	1
Date/Type of Last Inspection:	11/20/1983, Annual	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:	2 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1747 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated	Engine Model/Series:	O-235-L2C
Registered Owner:	KARI EMERSON & PAULA SALSMAN	Rated Power:	110 hp
Operator:	KARI EMERSON & PAULA SALSMAN	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SUU, 62 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1655 PST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Scattered / 4000 ft agl	Visibility	8 Miles
Lowest Ceiling:	Broken / 8000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	240°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	13° C / 7° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1644 PST	Type of Airspace:	Class E

Airport Information

Airport:	TRAVIS AERO CLUB (8Q0)	Runway Surface Type:	Asphalt
Airport Elevation:	50 ft	Runway Surface Condition:	
Runway Used:	22	IFR Approach:	None
Runway Length/Width:	2000 ft / 40 ft	VFR Approach/Landing:	Forced Landing

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
Total Injuries:	1 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	WAYNE POLLACK	Report Date:	
Additional Participating Persons:			
Publish 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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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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).