



National Transportation Safety Board Aviation Accident Data Summary

Location:	Fullerton, CA	Accident Number:	WPR11LA363
Date & Time:	06/01/2011, 1640 PDT	Registration:	N340BG
Aircraft:	CESSNA 340A	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that, at the conclusion of a flight, he made a normal landing and commenced a turn off the runway. While negotiating the turn toward a taxiway, the left brake ceased to properly function, and the airplane rolled into the soft dirt terrain adjacent to the taxiway. The subsequent examination of the airplane revealed that a weld had fractured in fatigue in the left engine's oil return line, which was located near the left main landing gear wheel assembly. The wheel and brake assembly were covered in oil. The oil significantly inhibited the brake's functionality and effectively reduced the braking capability to zero, which resulted in the pilot's loss of directional control.

Flight Events

Taxi-from runway - Sys/Comp malf/fail (non-power)
Taxi-from runway - Loss of control on ground
Taxi-from runway - Landing gear collapse

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The pilot's inability to maintain directional control during landing due to the left brake's degraded performance due to oil contamination, which resulted from the fatigue failure of an oil line component.

Findings

Aircraft-Aircraft systems-Landing gear system-Brake-Damaged/degraded - C
Aircraft-Aircraft oper/perf/capability-Aircraft capability-Braking capability-Malfunction
Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Attain/maintain not possible
Aircraft-Aircraft power plant-Eng oil sys (airframe furnish)-(general)-Fatigue/wear/corrosion - C

Pilot Information

Certificate:	Airline Transport	Age:	49
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	3298 hours (Total, all aircraft), 73 hours (Total, this make and model), 1250 hours (Pilot In Command, all aircraft), 38 hours (Last 90 days, all aircraft), 16 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N340BG
Model/Series:	340A	Engines:	2 Reciprocating
Operator:	HUMANITARIAN AIRLIFT INTERNATIONAL	Engine Manufacturer:	CONT MOTOR
Air Carrier Operating Certificate:	None	Engine Model/Series:	TSIO-520NB
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	FUL, 96 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	6 knots, Variable
Temperature:	21°C / 6°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Riverside, CA (RIR)	Destination:	Fullerton, CA (FUL)

Airport Information

Airport:	Fullerton Municipal (FUL)	Runway Surface Type:	Asphalt
Runway Used:	24	Runway Surface Condition:	Dry
Runway Length/Width:	3121 ft / 75 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Wayne R Pollack	Adopted Date:	02/12/2013
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=81366		

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