

CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
Aircraft Accident Investigation and Inquiry Board
Aircraft Accident Report

BASIC INFORMATION

Aircraft Registration No. : RP-R1248

Aircraft Type/Model : PA-36-375 Pawnee Brave

Owner/Operator : Global Fruits Corporation

Address of Operator : Maryknoll Drive, J.P. Laurel Ave.
Davao City Philippines

Place of Incident : Purok Rambutan, Datu Abdul, Panabo City,
Davao del Norte

Date/Time of Accident : July 22, 2010/06044H

Type of Operation : Crop Dusting (Aerial Application)

Phase of Operation : Take off

Type of Accident : Engine power loss during take off

EXECUTIVE SUMMARY

At around 0644H, RP-P1248, a PA-36 Pawnee Brave type of aircraft took off from Evergreen Aerodrome for the third sortie of its aerial spraying operations. Shortly after airborne, the pilot experienced loss of engine power followed by an exploding sound from the engine exhaust. The pilot immediately dumps the chemicals to properly manage the aircraft. The engine started to sputter and suddenly stopped. An attempt to revive the engine failed, the aircraft lost its speed and descended quickly then crash landed in a house at the left side of the runway. The pilot sustained minor injuries. No further injuries to the persons on the ground were also reported.

PROBABLE CAUSE

The Aircraft Accident Investigation and Inquiry Board determined that the probable cause of this accident was water injected to the fuel system (contamination) that resulted to engine malfunction during take-off (climb).

SAFETY RECOMMENDATIONS

As a result of this investigation, the Aircraft Accident Investigation and Inquiry Board made the following safety recommendations:

- For the fueling personnel, to regularly check fuel samples for color, visible water, sediment and contaminants.
- For the Operator, to develop a CAAP accepted fueling procedure.