

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

BASIC INFORMATION

Aircraft Registration No. : RP-R3027

Aircraft Type/Model : Grumman Agcat G164A

Owner /Operator : Mindanao Rainbow Agricultural Devt. Svcs.

Address of Owner : Solidwood Hangar, Bangoy Intl. Airport,
Sasa, Davao City

Date/Time of Accident : November 11, 2011/ o/a 10:00 AM

Type of Operation : Crop Dusting (Aerial Application)

Phase of Operation : Cruising

Type of Occurrence : Forced landing due to engine malfunction

Place of Accident : Purok 6, Brgy. Lagab, Compostela, Compostela
Valley

EXECUTIVE SUMMARY

On November 11, 2011, around 10:00 AM, an Agcat G164A type of aircraft took off from P5 airstrip for a routine spraying activity. It was his 5th load with 500 liters of chemical on board. Approximately two (2) miles out at an altitude of 100 feet, the pilot observed a decrease in engine Revolution Per Minute (RPM) and subsequently the aircraft started to descend. The pilot immediately dumped the chemicals and an emergency landing was executed in a soft, muddy farm field resulting in a nose over. The pilot did not sustain any injury while the aircraft was largely damaged.

PROBABLE CAUSE

The Aircraft Accident Investigation and Inquiry Board determines that the probable cause of this accident was the in-flight fatigue fracture and separation of the counterweight bracket resulting to a sudden shift to high pitch of the propeller blade followed by the decrease of engine RPM.

SAFETY RECOMMENDATION

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

- To maintenance personnel to include in their 100-hour inspection visual examination (when necessary using magnifying glass) on the exposed portion of the counter weight bracket for any development of fatigue crack.