

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

BASIC INFORMATION

Aircraft Registration No. : RP-R1315

Make and 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 : March 18, 2012/ 8:10 AM

Type of Operation : Crop Dusting (Aerial Application)

Phase of Operation : Pull up after swath run

Type of Occurrence : Forced landing due to engine malfunction

Place of Accident : Brgy. Sampao, Kapalong, Davao Del Norte

EXECUTIVE SUMMARY

On March 18, 2012 approximately 8:10 AM, a Grumman G-164A, agricultural bi-plane with registry number RP-R1315 was on his final swath run of his 4th load of the day. At about 160 feet altitude while turning left for the final swath run, the pilot experienced a sudden loss of engine power. Because of the limited altitude the pilot did not have enough time to initiate procedure to revive the engine. The pilot decided to force-land the aircraft in a banana plantation. Before the impact, the aircraft collided with several banana trees resulting in extensive damage. The sole occupant was able to evacuate the aircraft uninjured. Visual meteorological conditions prevailed at the time of the accident.

PROBABLE CAUSE

The Aircraft Accident Investigation and Inquiry Board determined that the probable cause of this accident was due to fuel starvation caused by fracture and subsequently separation of fuel line fitting from the carburetor.

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 mid engine time inspection (500 Hours) the replacement of the fuel line fitting attached to the carburetor. Further, extra caution must be observed in fitting similar parts to prevent over torque during installation.