

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

BASIC INFORMATION

Aircraft Registration No. : RP-R1777

Aircraft Type/Model : S2RG10

Owner/Operator : Stanfilco a Division of Dole Philippines

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

Place of Accident : Lunga-og Airstrip, Brgy, Kimano,
Sto. Tomas, Davao Del Norte

Date/Time of Accident : August 14, 2010/
Approximately 6:00am local time

Type of Operation : Agricultural Sprayer

Phase of Operation : Take Off

Type of Accident : Loss of engine power

EXECUTIVE SUMMARY

At around 6:00am, on August 14, 2010, RP-R1777, an Ayres S2R Turbo type of aircraft was on its 1st sortie to a schedule crop dusting operation, After 360 degree inspection and loading 1400 liters of chemical, the pilot positioned the aircraft and started its take off roll. After 600 meters take off roll the aircraft started to airborne. At approximately 30 ft. the pilot experienced loss of engine power, recovery procedure was performed until the aircraft hit banana trees and came into complete stop approximately 100 meters from the end of the runway.

PROBABLE CAUSE

- The Aircraft Accident Investigation and Inquiry Board determined that the probable cause of this accident was failure to shut-off fuel selector valve after flight.
- Failure to check the fuel booster pump before take-off;

- Failure to ensure that fuel selector valve is on the “OFF” position before disconnecting fuel lines flow check.

SAFETY RECOMMENDATIONS

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

- Include in Post-Flight Procedures for the Mechanic to double-check that fuel selector valve must be in “OFF” position.
- Include in Pre-take off check that the pilot momentarily turn-off the fuel pump booster to determine that there is no air in the fuel system.
- Place placard in the instrument panel “CHECK FUEL SYSTEM BEFORE TAKE-OFF”.
- Disseminate all additional work instructions to all concerned.