



Republic of the Philippines
DEPARTMENT OF TRANSPORTATION
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
MIA Road, Pasay City 1300

AIRCRAFT ACCIDENT INVESTIGATION AND INQUIRY BOARD

FINAL REPORT

RP-R2708
TEXTRON CESSNA/CESSNA A188B AG-TRUCK

OPERATOR: PHILIPPINE AGRICULTURAL AVIATION CORPORATION

TYPE OF OPERATION: PCAR PART 11

DATE OF OCCURENCE: FEBRUARY 25, 2018

***PLACE OF OCCURENCE: BARANGAY LOWER SILING, MAGUINDANAO,
PHILIPPINES***



BASIC INFORMATION

Aircraft Registration No.	:	RP-R2708
Make and Model	:	Textron Cessna / Cessna A188B Ag-Truck
Owner/Operator	:	Philippine Agricultural Aviation Corporation
Address of Operator	:	Gen. Aviation Area, F. Bangoy Airport, Sasa, Davao City, Philippines
Date/Time of Occurrence	:	February 25, 2018 / 0800H/0000UTC.
Type of Operation	:	PCAR Part 11
Phase of Operation	:	Cruise
Type of Occurrence	:	Engine Failure
Place of Occurrence	:	Barangay Lower Siling, Maguindanao, Philippines

EXECUTIVE SUMMARY

On February 25, 2018 at about 0800H/0000UTC, a Textron Cessna A188B Ag-Truck type of aircraft with registry number RP-R2708, operated by Philippine Agricultural Aviation Corporation while on a routine aerial spray operation encountered engine failure that resulted to a forced landing in an open field and the pilot egress on its own safely from the aircraft. There was no post impact fire noted during the conduct of investigation. Visual Meteorological Conditions (VMC) prevailed at the time of accident.

The pilot was spraying his 8th load of chemical at Phase 8, Barangay Lower Siling, Buluan, Maguindanao, Philippines. The flight was operated under PCAR Part 11. The flight originated from La Fruteza Inc. Airstrip.

PROBABLE CAUSE

- **Primary Cause Factor**

The engine power loss is a result of the connecting rod bolt fracture and its secondary damages.

- **Contributory Cause Factors:**

- a. No refresher training to pilots operating Ag-Truck type of aircraft with A188B-10-20B engine with STC for three (3) bladed propeller.
- b. No operating restriction placard was placed in the cockpit near the tachometer in view of the pilots.

SAFETY RECOMMENDATIONS

- **CAAP-FSIS** to ensure that:

- a. The operator conducts refresher training to pilots on Ag-Truck type of aircraft with STC for three (3) bladed propeller.
- b. The operator place an operating restriction placard in the cockpit for aircraft modified from two (2) bladed to three (3) bladed propeller.

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