



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-C4623 **TEXTRON AVIATION INC., CESSNA C 152**

OPERATOR: PRECISION FLIGHT CONTROLS PHILIPPINES, INC.

TYPE OF OPERATION: FLIGHT TRAINING (PCAR PART 3)

DATE OF OCCURRENCE: SEPTEMBER 17, 2021

***PLACE OF OCCURRENCE: PLARIDEL HEIGHTS, MALOLOS ROAD,
BAGONG BAYAN, PLARIDEL, BULACAN, PHILIPPINES***



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BASIC INFORMATION

Aircraft Registration No. : RP-C4623

Aircraft Type/Model : Textron Aviation Inc. Cessna C152

Operator : Precision Flight Controls Philippines Inc.

Address of Operator : Unit 3B Building B, Broadland Place MIA Rd. corner
Mayuga St., Tambo, Parañaque City, Philippines

Place of Occurrence : Plaridel Heights Subdivision, Malolos Road, Bagong Bayan, Plaridel,
Bulacan, Philippines

Date/Time of Occurrence : September 17, 2021 at about 0820H/0820UTC

Type of Operation : Flight Training (PCAR Part 3)

Phase of Flight : Take-off

Type of Occurrence : Fuel Contamination

EXECUTIVE SUMMARY

On or about September 17, 2021, a Textron Aviation Inc. Cessna C152 type of aircraft with Registry Number RP-C4623 sustained substantial damage following a forced landing due to a loss of engine power after take-off. The aircraft settled 560 meters from the threshold of runway 17 at Plaridel Community Airport. The aircraft is being operated by Precision Flight Controls Philippines Inc. as a training flight.

The Flight Instructor (FI) and the Student Pilot (SP) vacated the aircraft with minor bruises as a result of ground impact and substantial damage sustained by the aircraft. Visual meteorological conditions prevailed at the time of the occurrence.

The aircraft took off normally, but just after it was airborne, it suddenly descended towards the unoccupied residential lot near the airport. Plaridel Airport Air Traffic Controller immediately dispatched an airport Crash Fire Rescue (CFR) unit to help secure the aircraft.

PROBABLE CAUSE

- **Primary Cause**
 - a. The presence of water in the engine fuel system that resulted in engine failure.
- **Contributory Cause**
 - a. Lack of fueling procedures that lead to serious safety hazards.

SAFETY RECOMMENDATIONS

- **CAAP-FSIS** to ensure that:
 - a. The Company Operations manual includes comprehensive procedures on the dispensing of aviation fuels and the maintenance of fuel drums.
 - b. The Company include in their refresher training for pilots and maintenance personnel the standards practices, and safety measures to be observed when fueling an aircraft.

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