

N50075 Air Tractor AT-502B S/N 502B-0494

FAA on scene July 11, 2022

RLC / ADM

Aircraft located at coordinates 37°47'45.863"N, 076°46'30.569"W

Aircraft had attempted emergency landing after engine failure in a harvested forest area. Located 2 ½ diameter tree 10' tall that had top sheared off at coordinates 37°47'41.898"N, 076°46'34.265.

Agricultural spreading nozzle located in harvested area at coordinates 37°47'42.972"N, 076°46'33.987"W. Aircraft had impacted tree line approximately 50' up shearing off large oak tree and several smaller pine trees. Aircraft came to rest in a right wing down position and remarkably intact for the number and size of trees impacted. No post impact fire. Right wingtip and several skin panels located at initial tree line impact location. Left and right wing leading edges displayed signs of tree impacts and were crushed back to the wings main spars. All flight controls present with right elevator unattached on ground below right horizontal. Verified flight control continuity to all surfaces. Rudder remained attached and vertical stabilizer bent 90° angle to the right at the midway point of the leading edge. Right flap was retracted and the left flap appeared to be partially deployed at a slight angle. Left wing was partially displaced and at an angle from the fuselage. Verified engine and propeller control continuity with no binding from the cockpit and engine. No engine debris located at exhaust or intakes. No external signs of catastrophic engine failure. Propeller lodged against trees which prevented movement. One propeller blade bent straight back 90° with no curl indicating the engine was not under power at impact. No fuel could be seen at the refueling caps on either the left or right wings. Attempted to get fuel from left wing at drain and only two drops were obtained. Fuel could not be obtained from the right wing due to location and angle of the aircraft. Attempted to get fuel from the engine compartment filter drain and only approximately one ounce of clean and bright fuel was obtained. Approximately 3 hours were spent once scene with two members of the Richmond FSDO.

FAA on scene during aircraft recovery July 21, 2022

MBJ / RLC / ADM

ASI's on site at 8:10 AM. An inspection of the PT6 engine fuel filter revealed it was full of clean and bright fuel. Aircraft was recovered by AMF Aviation, LLC. A local construction company utilized an excavator to clear a path from the forested area to the aircraft. The aircraft was lifted by sling utilizing the excavator bucket. Upon a pause during the recovery, ASI's attempted to turn the propeller and no movement could be obtained due to unknown reasons. When the aircraft was raised significant fuel was observed flowing from both the left and right wing root areas. This was confirmed to be fuel by the ASI. The excavator carried the aircraft, traveling across the forested area and placed on AMF recovery vehicles. Approximately 4 hours were spent once scene with three members of the Richmond FSDO.

Event ID: 726952

Zulu Date/Time: 07/08/2022 2030Z

Local Date/Time: 07/08/2022 1630 EDT

CENTER CROSS, VA: N50075, AT502B, PULLED UP AFTER A PASS AND HEARD A LOUD BANG AND LANDED IN A FIELD AND BOUNCE INTO THE TREE LINE. POB: 1, INJURIES: NONE, DAMAGE: DESTROYED. 07/08/2022 2030Z

N50075 Convenience Center

Write a description for your map.

