



MEMORANDUM FOR RECORD

Heidi Kemner
Air Safety Investigator
Eastern Region Aviation

December 15, 2016

Subject: ERA17LA037
Who: Antonio Gonzalez – FAA Inspector

Inspector Gonzalez was present during the engine examination. During the examination, he noted the following:

- A re-inspection of the engine was also accomplished, no new defects noted. Verified compression, verified spark out of the left mag, spark on one tower of right mag, and verified condition of all external components was accomplished.
- Noted No. 1 cylinder top and bottom spark plugs both damaged.
- Inspected the inside of # 1 Cylinder for any damage or evidence of cracks or missing pieces, none found, cylinder looks good. Cylinder # 1 piston face looked a lot cleaner (no carbon build up) than the other 3 cylinder piston faces (like sand blasted).
- Removed and inspected valve cover for #1 and # 3 cylinders and no damage was found.
- Inspected and checked removed spark plugs by mechanic in Georgia, found 2 spark plugs showing similar condition as the # 1 cylinder top and bottom plugs, the ones removed in Georgia were not identified as from which cyl they were removed but by comparison it can be deducted that these 2 came from the # 1 Cyl. One of the plugs have ½ of the core porcelain insert missing.