

Supplemental Type Certificate

Number **ST02994NY**

This certificate issued to Quest Diagnostics
159 Air Museum Drive
Reading, PA 19605

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product Type Certificate Number: A60EU
Make: SOCATA
Model: TBM 700B
Serial No. 126, 129, 165, 188

Description of Type Design Change:

- a. Fuselage and wing Fatigue Life Expended (FLE) based on Quest's usage profile and recorded flight data.
- b. Fabrication and installation of the fuselage and wing identification placards in accordance with Quest Diagnostics document No. QDTBM-2010-007, Rev.A.
- c. The aircraft must be maintained in accordance with Section 6 (Instructions for Continued Airworthiness) of the Maintenance Plan for Continued Airworthiness, QDTBM-2010-006, Rev.A and dated June 13, 2011.

Limitations and Conditions:

- a. The FAA approved Airworthiness Limitations in Section 5 of the Maintenance Plan for Continued Airworthiness, QDTBM-2010-006, Rev.A and dated June 13, 2011 is mandatory for the fuselage and wings.

(See Continuation Sheet 2)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 28, 2008

Date reissued:

Date of issuance: June 23, 2011

Date amended:



By direction of the Administrator

(Signature)

Anthony Socias
Manager
New York Aircraft Certification Office

(Title)

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number **ST02994NY**

Date of Issue: June 23, 2011

Limitations and Conditions:

- b. Sections 4 through 8 of Chapter 4 (Airworthiness Limitations) of the Socata TBM 700 Maintenance Manual that address items other than the fuselage and the wing are still applicable as defined in that document.
- c. During the incorporation of this approval, each affected TBM 700B aircraft (S/N 126, 129, 165, and 188) must be initially inspected per Section 4 of the Maintenance Plan for Continued Airworthiness, QDTBM-2010-006, Rev.A, dated June 13, 2011. Any discrepancies encountered during this initial inspection must be resolved prior to return to service.
- d. You cannot use the descriptive data about this design change to evaluate the fuselage and wing FLE of other TBM 700 aircraft. This approval is limited only to TBM 700B Serial No. 126, 129, 165 and 188.
- e. The installer must determine whether this design change is compatible with previously approved modifications.
- f. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

Certification Basis:

Based on 14 CFR § 21.115 and § 21.101 and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this approval is as follows:

- a. The type certification basis for Socata Model TBM 700B series airplanes is shown in TCDS No.A60EU for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, May 28, 2008 is based upon 14 CFR Part 23 as amended by Amendment 23-58. Based on 14 CFR § 21.115 and § 21.101 and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this approval was determined to be that as shown on TCDS No.A60EU with the following exceptions:

§23.1309(a)(1) and (a)(2) at Amdt. 23-49
§23.1529 & Appendix G23.4 at Amdt 23-37

Part 45 regulations

For the re-identification of the fuselage and wing assemblies based on the stipulations of this STC, the following 14 CFR part 45 regulations have been complied with:

§45.1 at amendment 45-3
§45.14 at amendment 45-16
§45.16 at amendment 45-23

---END---