

AERONEF - AIRCRAFT

1. Marques de nationalité
et d'immatriculation :

425KJ

1. Nationality and
Registration Marks :

2. Classification Catégorie : **See Airworthiness Certificate**
Catégorie :

2. Classification Annotations - Mentions d'emploi : **None**
Subdivision :

3. Type de l'aéronef : **SOCATA - TBM 700**
3. Aircraft type :

N° de série : **518**
Serial No :

4. Construction par : **SOCATA**
4. Maker, place and date of construction :

le
on

DEC 02 2009

à
at

TARBES

Livret établi à TARBES le
Log Book established at on
(Place and Date)

10 Juin 2009

SOCATA
DIRECTION QUALITE
QUALITY DIRECTOR

BAHER-SOCATA
SOCATA
DIRECTION
QUALITE

Signature et Cachet
Stamp and Signature

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Airframe**Columbia Air Services, Inc.
LOG BOOK ENTRY**

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A/C REG: **N425KJ**A/C S/N: **518**DATE: **12/29/14**A/C TOTAL TIME: **656.7**HOUR METER: **656.7**W/O NO: **MWO-14-4729**ENGINE TOTAL TIME **656.7**

S.M.O.H.

1. Complied with an A+ Inspection per Socata TBM 850 Model Maintenance Manual chapter 5-20-02.
Researched AD's through Bi-Weekly 2014-26.
2. Complied with the following special checks:
 - ✕ 1 year spoiler and aileron cable assembly on wing, rudder cables and elevator trim tab control cables tension and safetying of turnbuckles.
 - ✕ 1 year gaseous oxygen system condition, attachment, and operational test.
 - ✕ 6 month Concorde lead-acid battery (recurring) capacity check. Removed, boost charged, and performed discharge capacity check of battery. Battery passed capacity check. Charged and reinstalled battery. Work performed in accordance with Concorde Drawing: 5-0171 Rev. M. (S/N: 40420709)
 - ✕ 1 year propeller assembly inspection.
 - ✕ 400 hour/1 year propeller lubrication.
 - ✕ 600 hour/1 year beta ring and carbon block dimensional check.
 - ✕ 1 year electronic standby indicator battery capacity meter calibration.
 - ✕ 1 year passengers masks, gaseous oxygen, inspection and cleaning.
 - ✕ 1 year B35, B36, and B37 servo-actuators cable condition and tension checks.
 - ✕ 1000 hour/1 year B35, B36, B37 & B38 servo-actuators gear greasing.
 - ✕ 1 year B35, B36, B37, and B38 servo-actuators clutch friction torque checks.
 - ✕ 1 year fire extinguisher weight and pressure check.

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- ✕ 5 year fire extinguisher replacement. Removed and replaced fire extinguisher with new, P/N: C352 S/N: A-29697799. (s/N removed: RM72640)
 - ✕ 1 year drain under floor condition, cleanliness, and attachment check.
 - ✕ 1 year water separator filter condition and attachment check.
 - ✕ 1 year left and right flap rollers lubrication.
 - ✕ 1 year nose and main landing gear condition and leak check.
 - ✕ 1 year nose and main landing gear axle lubrication.
 - ✕ 1 year nose and main landing gear wheel bearings inspection and lubrication.
 - ✕ 1 year L.H., R.H. and nose landing gear shock-absorber inflation pressure check.
 - ✕ 5 year nose and main landing gear internal and external anti-corrosion protection, play check, torque links dimensional check and shock-absorber oil change.
 - ✕ 600 hour/1 year post maintenance flight check.
3. Removed and replaced ELT battery with new, P/N: 455-0012. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **Battery replacement next due: AUG. 2021.**
4. Complied with 100 hour static ports height and slope check per RVSM Maintenance Program requirement in accordance with Socata TBM 850 Model M.M. chapter 53-00-00. Found to be satisfactory.
5. Complied with 1 year GMC 710 autopilot altitude control system inspection per RVSM Maintenance Program requirement in accordance with Socata TBM 850 Model M.M. chapter 22-11-00. Found to be satisfactory.
6. Complied with **AD 2002-19-01** amend. 39-12881 dated 10/29/02. Performed a test of pilot and right-hand (RH) station control wheels in accordance with **Socata SB 70-095**, found to be satisfactory. **Next inspection due: Every time the flight control system undergoes maintenance.**
7. **AD 2014-06-06** amend. 39-17810 dated 5/2/14, Landing gear actuator rods/pistons and ball joints, was found in compliance by previous compliance with **Socata SB's 70-197 and 70-206** on 3/14/14. No further action required.
8. Complied with **Socata SB 70-118 Amend. 1**, "SAGEM/AVIAC" flap actuator. Cleaned and lubricated flap actuator rods per Paragraph C. **Paragraph C next due: 856.7 ACTT or 12/31/15.**

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9. Complied with **Socata SB 70-213**, Engine drainage system. Removed exhaust case drain pipe, modified hose and installed cap, P/N: MS9315-04 per Socata SB & **P&WC SB No. 14293R3** instructions. No further action required.

10. Complied with **Socata SB 70-214**, Installation of a strake. Installed strake, P/N: T700A512025700100, per SB instructions. No further action required.

11. Defueled aircraft. Removed, cleaned, resealed and reinstalled one (1) left wing and two (2) right wing fuel panels and rivnuts. Refueled aircraft. Leak check satisfactory. Work performed in accordance with Socata TBM 850 Model M.M. chapter 54-40-01.

12. Removed and replaced right inboard wing flap fairing attach ear with new, P/N: T700A5755091101.

13. Replaced nose baggage placard with new, P/N: T700A1130004100.

14. Relamp left aft and right forward navigation lights with new bulbs, P/N: A508-28 (Qty 1) & W1290-28 (Qty 1). Operational check satisfactory.

15. Serviced oxygen system as required with Aviators Breathing Oxygen.

16. Inspected horizontal stabilizer strut hardware torque, found to be satisfactory.

17. Removed, cleaned, lubricated and reinstalled left elevator trim rod ends.

18. Installed a new blanking plug on left elevator.

19. Relamped left landing light with a new bulb, P/N: GE4596. Operational check satisfactory.

20. Removed and replaced right main tire with new 18x5.5 10 ply tire, P/N: 033-631-0 S/N: 4095S00211.

21. Removed and replaced right brake linings with new, P/N: 109-01500 (Qty 32).

22. Performed post inspection ground run. Operational and leak checks satisfactory.

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**COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340**

FAA Repair Station #SO5R204N. Work Order # MWO-14-4729

I certify that this Airframe has been inspected in accordance with an A+ Inspection in accordance with Socata TBM 850 Model M.M. chapter 05-20-02, and determined to be in airworthy condition.

Pertinent details of the inspection are on file at this facility.

Date: 12/29/14 A/C Total Time: 656.7

Signature: _____