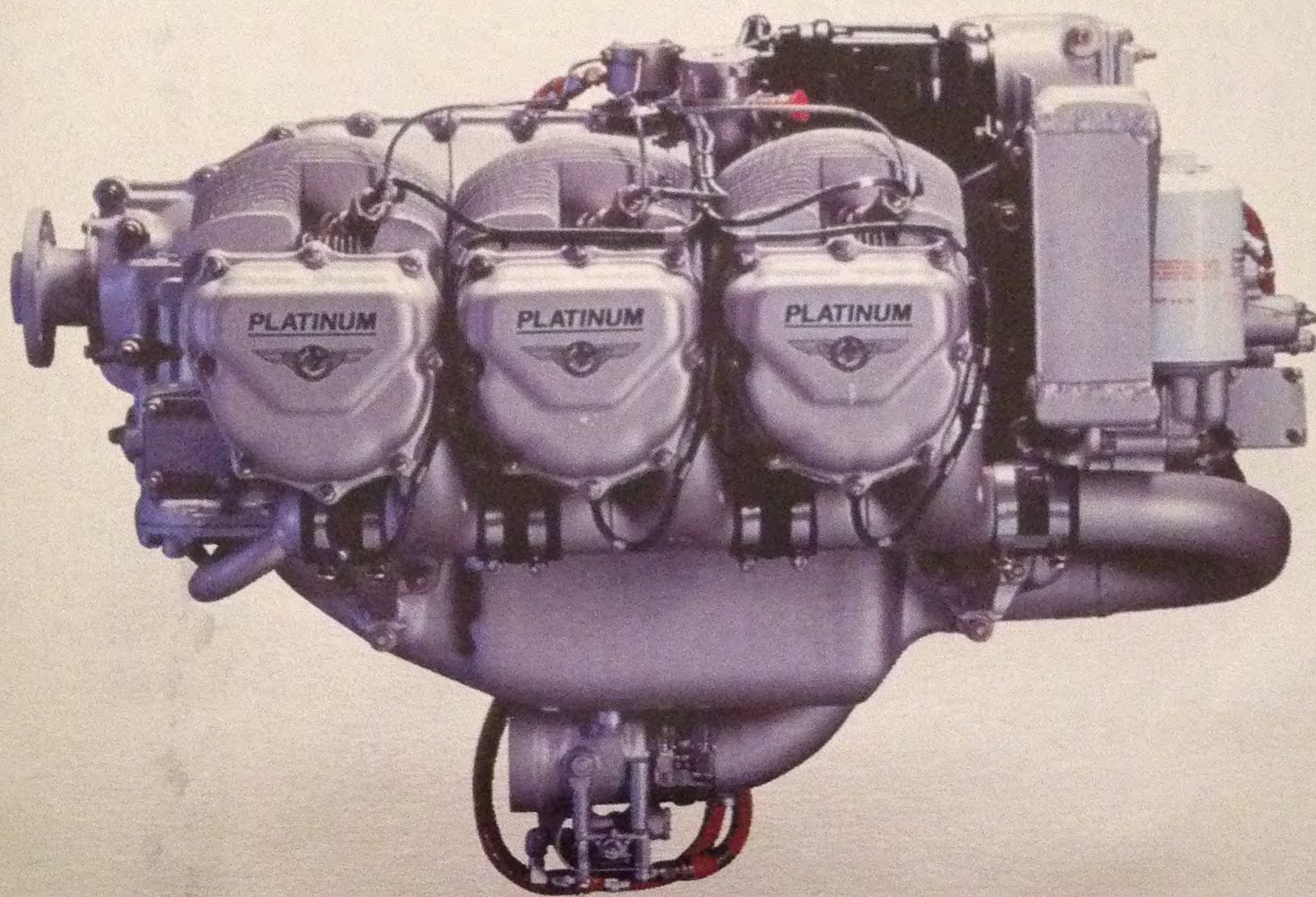


**N330SR**

# **PLATINUM ENGINE LOG BOOK**



# **CONTINENTAL MOTORS**



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

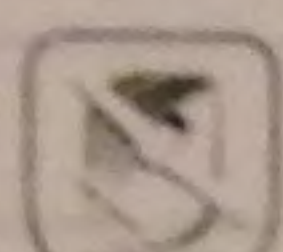


Avtech Aircraft Maintenance Fleming-Mason Airport (FGX) 7079 Airport Rd  
 Maysville KY 41056 606-742-2084 [avtech@alltel.net](mailto:avtech@alltel.net)

N330SR SR22 Serial no. 2077 TCM IO550N42 Engine Serial no. 689851 Date: 8/23/06 Flight Hobbs: 23.7  
 Performed the following maintenance/repairs: Performed Cirrus Demonstrator Care 25 hour check. Changed engine oil/ filter, dissect filter  
 no abnormalities noted, installed AA48108 filter, serviced with 8 qt's Phillips 20W50 XC 15W50. Ground run-up and performed  
 operational inspection, all checks satisfactory.

*[Signature]*

A&P 400087835



AUTHORIZED  
SERVICE CENTER

### Avtech

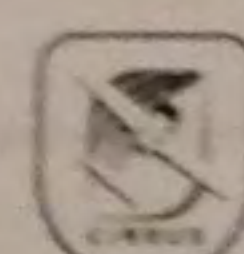
Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 [avtech@alltel.net](mailto:avtech@alltel.net)

N330SR Engine Entry: Date: 9/12/06 TCM IO550N42 S/N 689851 Hobbs: 57 TTE: 57

Performed the following maintenance/repairs: Completed Cirrus 50 Hour Demo Service. Perform an Engine Operational Inspection in  
 accordance with Teledyne Continentals Motors Maintenance Manual, Section 5. Engine oil drain and change, serviced with 8 qt's Aeroshell  
 15W50. Oil Sump Plug/ Drain Visual Inspection for condition. Oil Filter Perform Inspection/Check - oil filter particles, none noted.  
 Installed AA48108 Filter. Spark Plug Cable Leads Visual Inspection for chafing, corrosion, and deposits. Air Intake Ducts Visual  
 Inspection for general condition. Replaced broken alternate air support with new 15196-002. Alternate Air Door Check operation of  
 alternate air flapper valve. Gascolator Fuel Filter and Bowl, Drain and clean. Exhaust System Perform Inspection/Check - Exhaust System.  
 Breather Tube Visual Inspection for obstructions and security. Clean propeller de-ice boots and protect with Shinemaster. Perform an  
 airplane run-up in accordance with Operational/Functional Check in SR22 AMM Section 5-30. After completing the Operational Check,  
 perform a walk around to detect fluid leaks or other abnormalities, none noted.

*[Signature]*

A&P 400087835



AUTHORIZED  
SERVICE CENTER

### Avtech

Fleming-Mason Airport (FGX) 7079 Airport Rd. Maysville, KY 41056 606-742-2084 [avtech@alltel.net](mailto:avtech@alltel.net)

N330SR Engine Entry: Date: 10/2/06 TCM IO550N42 S/N 689851 Hobbs: 95.8 TTE: 95.8

Performed the following maintenance/repairs: Completed Cirrus 100 Hour Demo Service. Perform an Engine Operational Inspection in  
 accordance with Teledyne Continentals Motors Maintenance Manual, Section 5. Engine oil drain and change, serviced with 8 qt's  
 Aeroshell 15W50. Oil Sump Plug/ Drain Visual Inspection for condition. Oil Filter Perform Inspection/Check - oil filter particles, none  
 noted. Installed AA48108 Filter. Fuel Injection System Functional Inspection of Fuel Injection System in accordance with Teledyne  
 Continentals Motors Service Information Directive 97-3. Spark Plug Cable Leads Visual Inspection for chafing, corrosion, and deposits.  
 Air Intake Ducts Visual Inspection for general condition. Alternate Air Door Check operation of alternate air flapper valve. Gascolator Fuel  
 Filter and Bowl, Drain and clean. Exhaust System Perform Inspection/Check - Exhaust System. Breather Tube Visual Inspection for  
 obstructions and security. Clean propeller de-ice boots and protect with Shinemaster. Perform an airplane run-up in accordance with  
 Operational/Functional Check in SR22 AMM Section 5-30. After completing the Operational Check, perform a walk around to detect fluid  
 leaks or other abnormalities, none noted.

*[Signature]*

A&P 400087835

ENGINE MODEL IO-550-N  
 ENGINE S/N: 689851  
 REG NO 330SR  
 WORK ORDER  
 7690-10-2006



### Cirrus Design Factory Service Center

Repair Station No YD5R855Y  
 4515 Taylor Circle  
 Duluth, MN 55811  
 Phone: 218-788-3101

DATE 10/20/2006  
 A/C TSN: 186.5  
 ENG TT  
 HOBBS: 186.5

### Engine Entries

(1) Changed engine oil and filter. Serviced engine with 8 quarts of Aeroshell 15W50 engine oil and installed new Champion CH48108-1 oil filter (CDC P/N  
 50857-001). Performed particulate inspection on old filter, no discrepancies noted. Retained oil sample to be sent out for analysis. Performed  
 operational and leak checks with satisfactory results. All work was accomplished IAW CDC AMM 12-10. Aircraft hobbs time at servicing 186.5, flight  
 hobbs time of 151.0.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified  
 was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent  
 details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 10/20/2006

SIGNED:

*[Signature]*

Robert Powell  
 Certified Repair Station No. YD5R855Y

Work Order: 7690-10-2006

Printed by EBis 3 (datcomedia.com)



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward

ENGINE MODEL IO-550-N  
ENGINE S/N 689851  
REG NO 330SR  
WORK ORDER  
7813-11-2006



### Cirrus Design Factory Service Center

Repair Station No. YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone 218-788-3101

DATE 11/2/2006  
A/C TSN 186.5  
ENG TT  
HOBBS 186.5  
*Flight 170.2*

#### Engine Entries

(1) 12-20 Changed engine oil and filter p/n 50857-001, serviced engine with 8 quarts of Aeroshell 15W50 engine oil. Performed particulate inspection on old filter- none found. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I A W Cirrus SR22 A.M.M.  
12-20 Flight time reads 170.2

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 11/2/2006

SIGNED:

Scott Schelde  
Certified Repair Station No. YD5R855Y

Work Order: 7813-11-2006  
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL IO-550-N  
ENGINE S/N 689851  
REG NO 330SR  
WORK ORDER  
7929-11-2006



### Cirrus Design Factory Service Center

Repair Station No. YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone 218-788-3101

DATE 11/27/2006  
A/C TSN 266.3  
ENG TT  
HOBBS 219

#### Engine Entries

(1) Changed engine oil and filter p/n 50857-001, serviced engine with 8 quarts of Aeroshell 15W50 engine oil. Performed particulate inspection on old filter, no discrepancies noted. Retained oil sample to be sent out for analysis. Performed operational and leak checks with satisfactory results. All work was accomplished I A W CDC A.M.M. 12-10

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 11/27/2006

SIGNED:

Steve Wilhelm  
Certified Repair Station No. YD5R855Y

Work Order: 7929-11-2006  
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL IO-550-N  
ENGINE S/N 689851  
REG NO 330SR  
WORK ORDER  
8069-12-2006



### Cirrus Design Factory Service Center

Repair Station No. YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone 218-788-3101

DATE 12/18/2006  
A/C TSN 266.3  
ENG TT  
HOBBS 219

#### Engine Entries

(1) 12-10 Changed engine oil and filter p/n 50857-001, serviced engine with 8 quarts of Aeroshell 15W50 engine oil. Performed particulate inspection on drain plug & old filter, no discrepancies noted. Retained oil sample to be sent out for analysis. Performed operational and leak checks with satisfactory results. All work was accomplished I A W CDC A.M.M. 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 12/18/2006

SIGNED:

Scott Schelde  
Certified Repair Station No. YD5R855Y

Work Order: 8069-12-2006  
Printed by EBis 3 (datcomedia.com)



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					



GRAND FORKS INTERNATIONAL AIRPORT  
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203  
**Powerplant Logbook Insert**

Date: 12/27/2006; Aircraft: 330SR; Type: CIRRUS DESIGN; Hobbs: 352.60; Tach: 292.40;  
Total Time: 292.40; Engine - Type: , S/N: , Time: 292.40; Prop - Type: , S/N: , Time: 292.40;  
Work Done At - Airframe Time: 292.40, Engine Time: 292.40,

Changed engine oil and CH48108-1 filter. Serviced engine with 8 Qts Aeroshell 15W50 engine oil. Performed inspection on oil filter, no defects noted. Performed ground run up and leak checks with satisfactory results.

*Ken Schuler*  
Ken Schuler  
A&P 3847779

NICS  
JRS

ENGINE MODEL 10-550-N  
ENGINE S/N 689851  
REG NO 330SR  
WORK ORDER  
8199-01-2007



#### Cirrus Design Factory Service Center

Repair Station No YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone 218-788-3101

DATE 1/16/2007  
A/C TSN 393 1  
ENG TT 393 1  
HOBBS 393 1

#### Engine Entries

(5) Performed engine 100HR inspection IAW CDC A.M.M. 5-20 and 5-30. FLIGHT METER HOURS 326.2 (8) Researched ADs through bi-weekly issue 2006-26, all ADs are in compliance at this time (11) Drained engine oil and took oil sample, removed oil filter and performed particulate inspection, no discrepancies noted. Installed new oil filter P/N CH48108-1 and serviced engine with 8QTS of Aeroshell 15W-50 oil. Leak and operational check good, work performed IAW cirrus mm chapter 12-10 (12) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows #1 70/80, #2 71/80, #3 70/80, #4 70/80, #5 70/80, #6 75/80, master orifice reading of 47/80 psi, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3 (13) Removed, cleaned, inspected, gapped, tested, rotated, and reinstalled spark plugs IAW T.C.M. MM section 12 (14) Performed magneto to engine timing inspection, no discrepancies noted on inspection, work performed IAW T.C.M. MM section 12 (15) Removed and replaced induction air filter with new, P/N BA-24 IAW cirrus mm chapter 71-60 (16) Removed, cleaned, inspected, and reinstalled fuel injection nozzles IAW T.C.M. MM section 5 (17) Performed fuel pressure setups IAW T.C.M. SID 97-3C (49) I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 1/16/2007

SIGNED:

Kent Adkins  
Certified Repair Station No. YD5R855Y

Work Order: 8199-01-2007

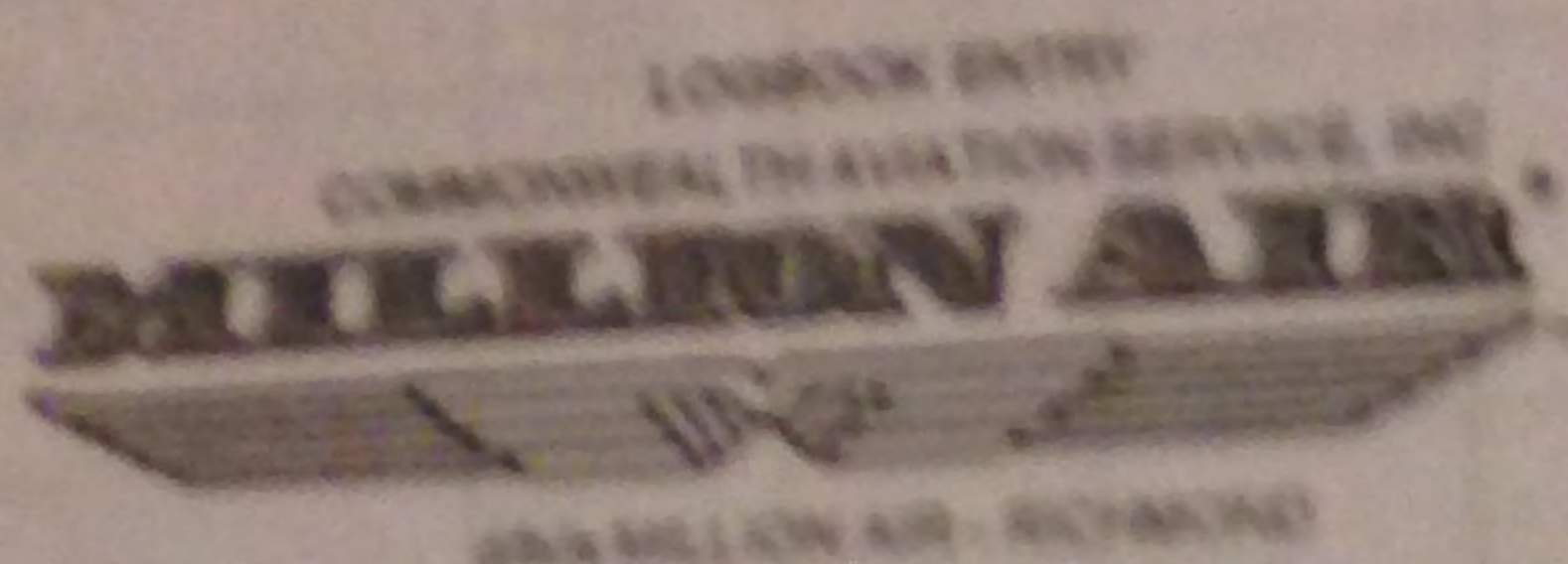
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Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward →				

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins




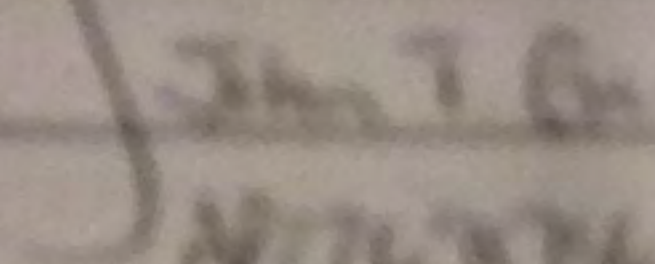
MANUFACTURER TCM  
 Model IO-550 N42 Date 4/5/2007  
 S/N 68051 W.O. M070408  
 Reg # N330SR ACTT 449.016009  
 TTE 449.0

## ENGINE LOGBOOK INSERT

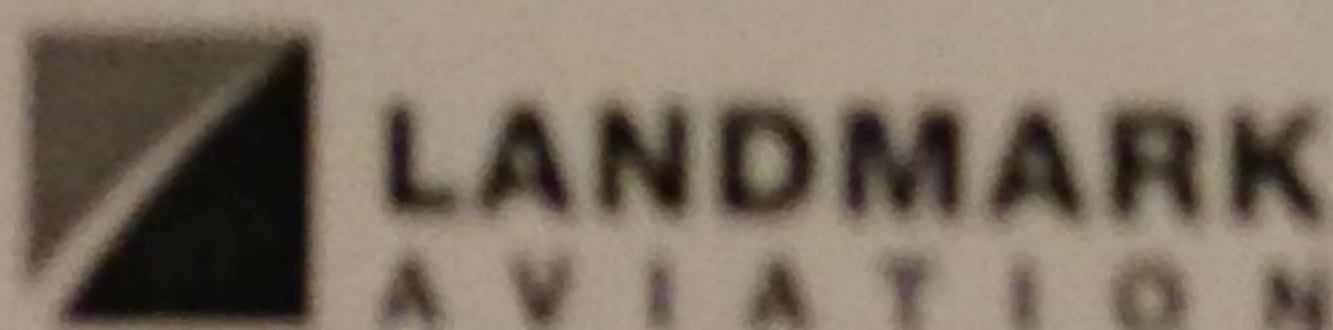
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Further details of the repair are on file at this agency.

Ran engine to operating temperature. Drained oil and removed oil filter. Cut open oil filter and inspected element. No metallic contamination noted. Installed a new oil filter P/N CH48108-1 and serviced the engine with 8 quarts of Aeroshell 15W50 oil. Ran engine to operating temperature. O/P's and leak checks good.


Installed Aeroshell AvTch Separator Kit (ATM 570) SN220804 and the manufacturer's installation instructions. See FAA Form 337, dated 3 April 2007 for continued airworthiness instructions.

Signed   
 Per   
 Certificate # N11W376-1A

COMMONWEALTH AVIATION SERVICE, INC.




6101 Burton Station Rd.  
 Norfolk, VA 23502  
 (757) 857-3413

Reference WOF M 

Aircraft #	N330SR	TAT	491.1	Date	4/26/2007
Eng. Make:	TCM			Position	SINGLE
Eng. Model:	IO-550-N			Total Time	491.1
Eng. S/N:	68051				

1. Drained oil, removed filter and inspected for contaminants, none noted. Installed new filter P/N CH48108-1, refilled with 8 qts. Aeroshell 15W50. Washed engine, runup and leak check normal.

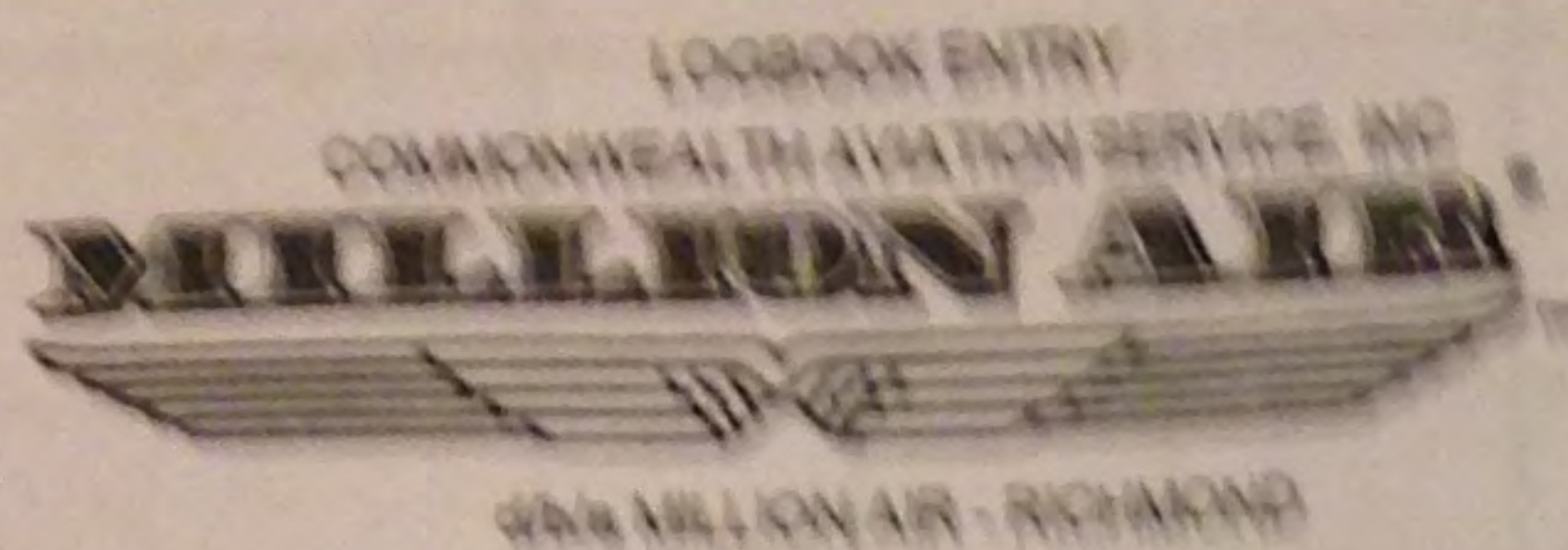
The maintenance operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed, this aircraft is approved for return to service.

Signed  Ramon Ayala Date: 4/26/2007

AAP 2853280



Date	Total Time		Time Since Last Overhaul		Engine Installations, Modifications
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					



MANUFACTURER TCM  
Model: IO-550 N(42) Date: 6/20/2007  
S/N: 999991 W.O.: 18070033  
Reg #: N330SR Hours: 231.4  
TTE: 452.9 Flight Hours: 452.9

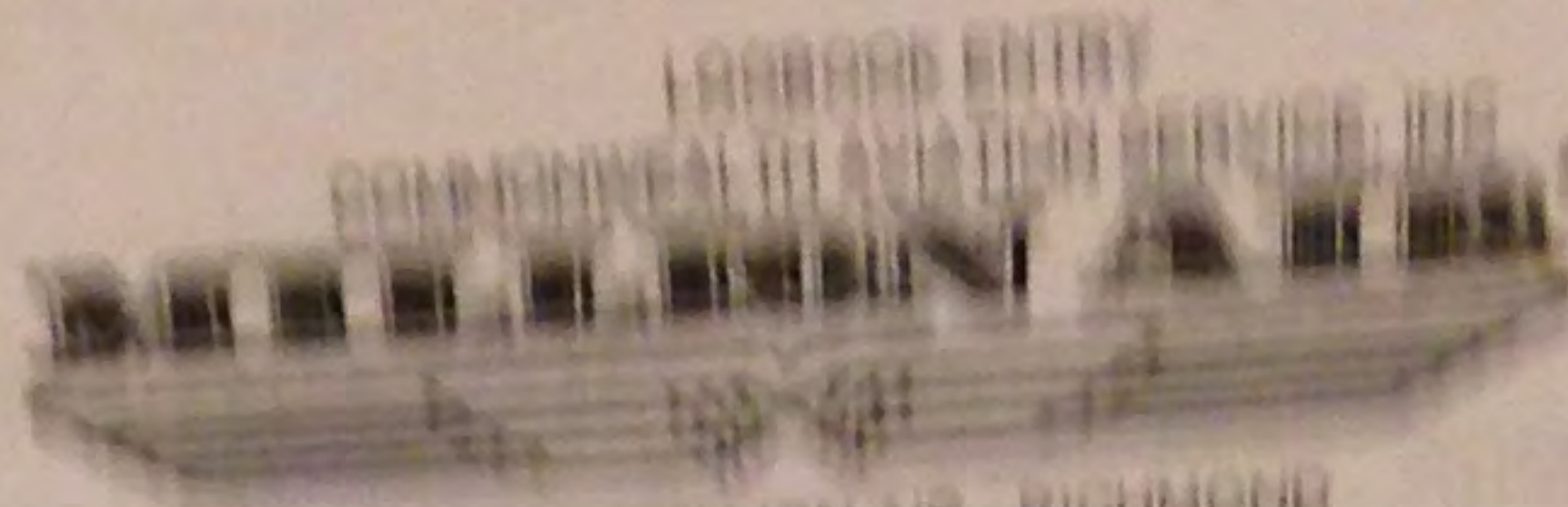
#### ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Permanent details of the repair are on file at this agency.

Ran engine to operating temperature. Drained oil and removed oil filter. Put open oil filter and inspected element. No metallic contamination noted. Installed a new oil filter P/N CH43108-1 and serviced the engine with 8 quarts of Aeroshell 15W50 oil. Ran engine to operating temperature. Oil's and leak checks good.

Signed: *[Signature]*  
Print: John T. Gardner  
Certificate #: AP22678765JA

for  
COMMONWEALTH AVIATION SERVICE, INC.



MANUFACTURER TCM  
Model: IO-550 N(42) Reg #: N330SR  
S/N: 999991 W.O.: 18070033  
TTE: 452.9

#### ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Permanent details of the repair are on file at this agency.

Ran engine to operating temperature. Removed upper and lower engine cowling. Drained oil and removed oil filter. Put open oil filter and inspected element. No metallic contamination noted. Installed a new oil filter P/N CH43108-1 and serviced the engine with 8 quarts of Aeroshell 15W50 oil. Ran engine to operating temperature. Installed upper and lower engine cowling. Oil's and leak checks good.

Troubleshoot engine kick back problem in both magnetos. Right magneto implies coupling sticks and left magneto implies coupling is weak. Removed left and right magnetos for repair. Installed serviceable repaired original magnetos P/N offon: 18-00498-1 Right Magneto P/N offon: 18-00498-1 Left Magneto P/N offon: 18-00498-1 VAW Cirrus SR22 MM 73-18. Performed engine operation and verified operation of magnetos. Magnetos operate within specified limits.

Signed: *[Signature]*  
Print: John T. Gardner  
Certificate #: AP22678765JA

for  
COMMONWEALTH AVIATION SERVICE, INC.

1. Approving National Aviation Authority/Country:		2. Form Tracking Number:	
FAA/United States		QAA# 42470	
3. Organization Name and Address:		4. Form Tracking Number:	
Quality Aircraft Accessories Inc. (QVIR334V) Phone: 1-877-833-6948		INV # 56813	
5746 E. Apache		8. Work Order/Invoice Number:	
Tulsa, OK 74113		11. Serial/Part Number:	
6. Item	7. Description	8. Part Number	9. Eligibility
1	magneto	10-500556-1	(VARIOUS)
13. Remarks:		10. QTY	11. Serial/Part Number
CSB641 Condensor		1	DO6CA053 Repair
MSB644 Coil + rotor (AD94-01-03R2)			
MSB645 500 hr. impulse inspection (AO 2005-12-06)			
The work identified in Block 12 and described in Block 13 except as otherwise specified was carried out in accordance with EASA 145 and in accordance with that work the aircraft component is considered ready for release to service under EASA acceptance Certificate number EASA 145 6982			
See Attached Work Order Summary for details. (3) pages			
14. Certifies the items identified above were manufactured in conformity to:			
<input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13			
15. Authorized Signature:		16. Approval/Authorization No.:	
17. Name (Typed or Printed):		18. Date (m/d/y):	
David Dutton		08/16/07	
19. If 14 CFR 43.9 Return to Service		20. Other regulation specified in Block 13	
Certifies that unless otherwise specified in Block 14, the work identified in Block 13 and described in Block 14 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the item(s) is (are) approved for return to service.		21. Approval/Certificate No.:	
22. Name (Typed or Printed):		23. Date (m/d/y):	
David Dutton		08/16/07	





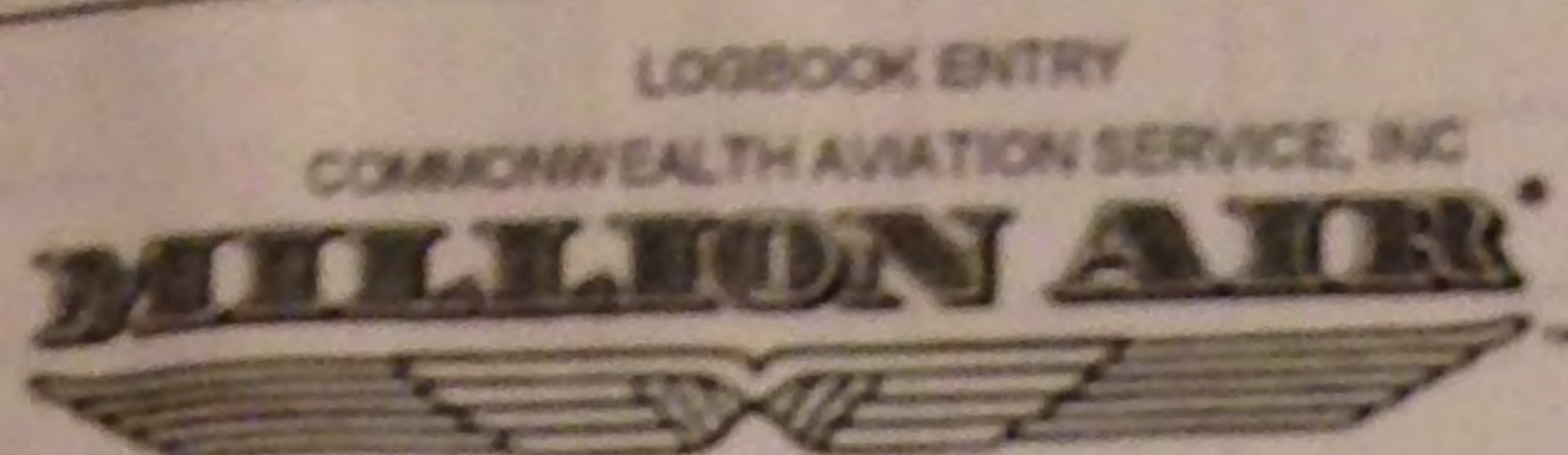


# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Brought Forward →



MANUFACTURER TCM Reg #: N330SR  
Model: IO-550-N(42) Date: 1/25/2008  
S/N: 689851 W.O.: M080118  
TTE: 563.4 ACTT: 563.4

## ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

The Teledyne Continental IO-550-N (42) S/N: 689851 engine was inspected referencing the current maintenance rules of the Federal Aviation Regulations for a 100 hour inspection using the Cirrus Design SR22 current inspection guide and is approved for return to service. The following items were serviced, repaired and/or inspected as noted.

Complied with engine cylinder compression check. Results as follows:

#1 - 72/80  
#2 - 70/80  
#3 - 70/80  
#4 - 66/80  
#5 - 74/80  
#6 - 72/80

Ran engine to operating temperature. Removed engine cowling. Drained engine oil and also captured oil sample with kit P/N: 1151 for analysis. Removed old oil filter and inspected for metal contamination. None noted. Installed a new oil filter P/N: AA48108. Serviced the engine with 8 quarts of Aeroshell 15W50 oil. Ran engine. Installed engine cowling. OP's and leak checks good.

Removed fuel injectors from all cylinders. Cleaned and inspected all injectors. Reinstalled injectors with new gaskets, washers and o-rings referencing TCM Engine Manual.

Removed hardware securing left side of oil cooler flange and inspected crack in outboard corner. Stop-drilled crack and reinstalled hardware.

Signed:

Print:

John T. Gardner  
for  
COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W



MANUFACTURER TCM Reg #: N330SR  
Model: IO-550-N (42) Date: 6/18/2008  
S/N: 689851 W.O.: M080632  
TTE: 597.6 TSN ACTT: 597.6  
Flight Hobbs: 597.6

## ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

Ran engine to operating temperature. Removed engine cowling. Drained engine oil and also captured oil sample with kit P/N: 1151 for analysis. Removed old oil filter and inspected for metal contamination. None noted. Installed a new oil filter P/N: AA48108. Serviced the engine with 8 quarts of Aeroshell 15W50 oil. Ran engine. Installed engine cowling. OP's and leak checks good.

Signed:

Print:

John T. Gardner  
for  
COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W



Manufacturer: TCM Date: 8/5/2008  
Model: IO-550-N (42) W.O.: M080812  
S/N: 689851 ACTT: 647.7  
Reg #: N330SR Flight Hobbs: 647.7  
TTE: 647.7

## ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

Drained oil, captured oil sample and removed oil filter. Cut open filter to inspect for metallic contamination - none noted. Installed a new oil filter P/N: AA48108 and serviced engine with 8 qts of Aeroshell 15W50 oil. Performed engine ground run ops's and leak checks good.

Signed:

Print:

John T. Gardner  
for  
COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W



Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

Bought Forward

455 MILLION AIR - RICHMOND  
CRS Design Service Center  
CRS VAWR051W

Manufacturer:	RCM	Date:	1/28/2009
Model:	RC-350-N(42)	W.O.:	M090120
S/N:	888851	Reg #:	N330SR
ITE:	887.2	ACFT:	697.2
Issues:	890.8	Fight Hobbs:	697.2

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found satisfactory for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

The Rotax engine (Continental IO-550-N(42) S/N 688851) engine was inspected referencing the current maintenance rules of the Federal Aviation Regulations for a 100 hour inspection using the Cirrus Design SR22 current inspection guide and it is approved for return to service. The following items were serviced, repaired and/or inspected as noted.

Completed with engine cylinder compression check. Results as follows:

81. 72.00  
 82. 73.00  
 83. 73.00  
 84. 72.00  
 85. 72.00  
 86. 71.00

Drained engine oil and removed oil filter. Inspected filter element for metallic contamination. None noted. Installed new oil filter P/N AA48108 and serviced the engine with 8 quarts of Aeroshell 15W50 oil. Ops and leak check good on ground roll.

Removed fuel injectors from all cylinders. Cleaned and inspected all injectors. Reinstalled injectors with new gaskets, washers and o-rings referencing TCM Engine Manual.

Stop drilled crack in oil cooler mounting flange.

Inspected throttle cable bracket. Moved bracket corner off of upper crankcase. Placed red RTV under bracket corner as a barrier to prevent further chaffing.

Signed \_\_\_\_\_  
Print John T. Gardner

COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXR051W

d/b/a MILLION AIR - RICHMOND  
Cirrus Design Service Center  
CRS VXWR051W

Manufacturer:	Cirrus	Date	8/7/2009
Model:	SR22	W.O.:	M090813
S/N:	2077	Reg #:	N330SR
TTE:	740.4	ACTT:	740.4
Hobbs:	904.0	Flight Hobbs:	740.4

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

Drained oil and removed old oil filter. Cut open oil filter and inspected element. No metallic contamination noted. Installed a new oil filter P/N: AA48108. Serviced the engine with 8 quarts of Aeroshell 15W-50 oil. Ran engine. Ops and leak checks good.

Signed: \_\_\_\_\_  
Print: Mike Keely for \_\_\_\_\_

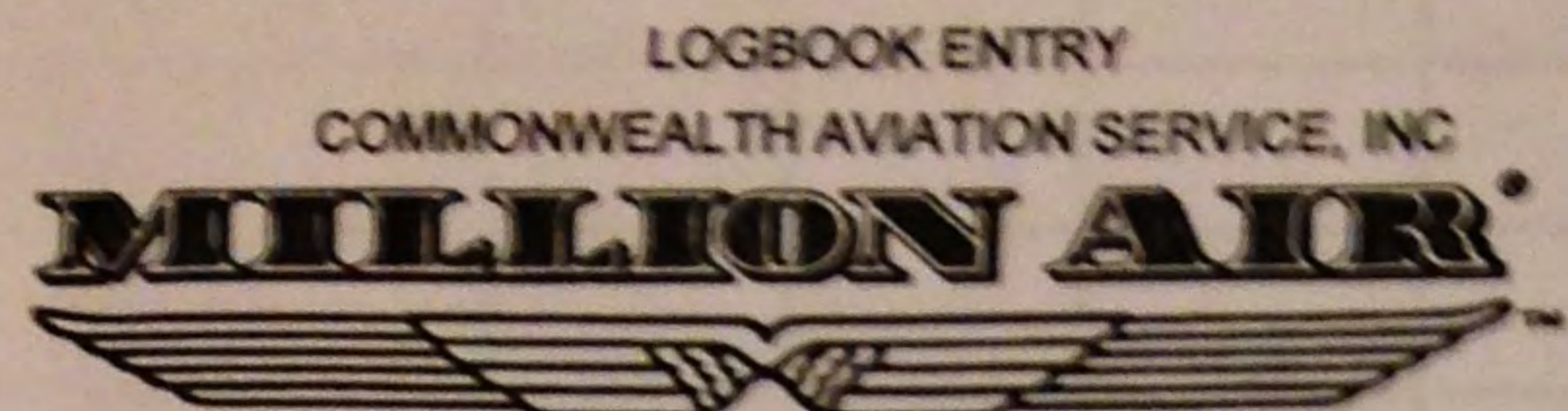
COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W



Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward →				

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections  
Modifications and Service Bulletins



LOGBOOK ENTRY  
COMMONWEALTH AVIATION SERVICE, INC

d/b/a MILLION AIR - RICHMOND  
Cirrus Design Service Center  
CRS VXWR051W

Manufacturer:	TCM	Date	1/20/2010
Model:	IO-550-N(42)	W.O.:	M100114
S/N:	689851	Reg #:	N330SR
TTE:	793.6	Flight Hobbs:	793.6
		Hobbs:	967.2

## ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

The Teledyne Continental IO-550-N(42) S/N: 689851 engine was inspected referencing the current maintenance rules of the Federal Aviation Regulations for a 100 hour inspection using the Cirrus Design SR22 current inspection guide and is approved for return to service. The following items were serviced, repaired and/or inspected as noted.

Complied with engine cylinder compression check. Results as follows:

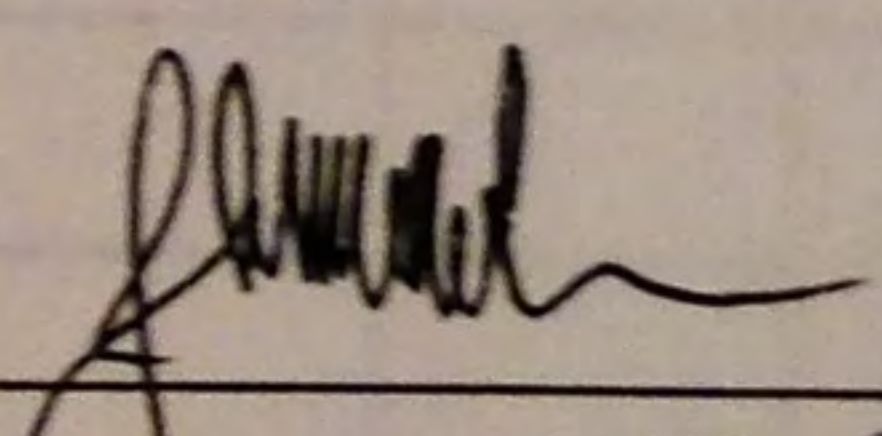
- #1 - 75/80
- #2 - 72/80
- #3 - 72/80
- #4 - 70/80
- #5 - 72/80
- #6 - 70/80

Drained oil and collected sample for analysis. Removed old oil filter. Cut open oil filter and inspected element. No metallic contamination noted. Installed a new oil filter P/N: AA48108-2. Serviced the engine with 8 quarts of Aeroshell 15W-50 oil. Ran engine. Ops and leak checks good referencing TCM IO-550 MM and Cirrus SR22 AMM 12-10.

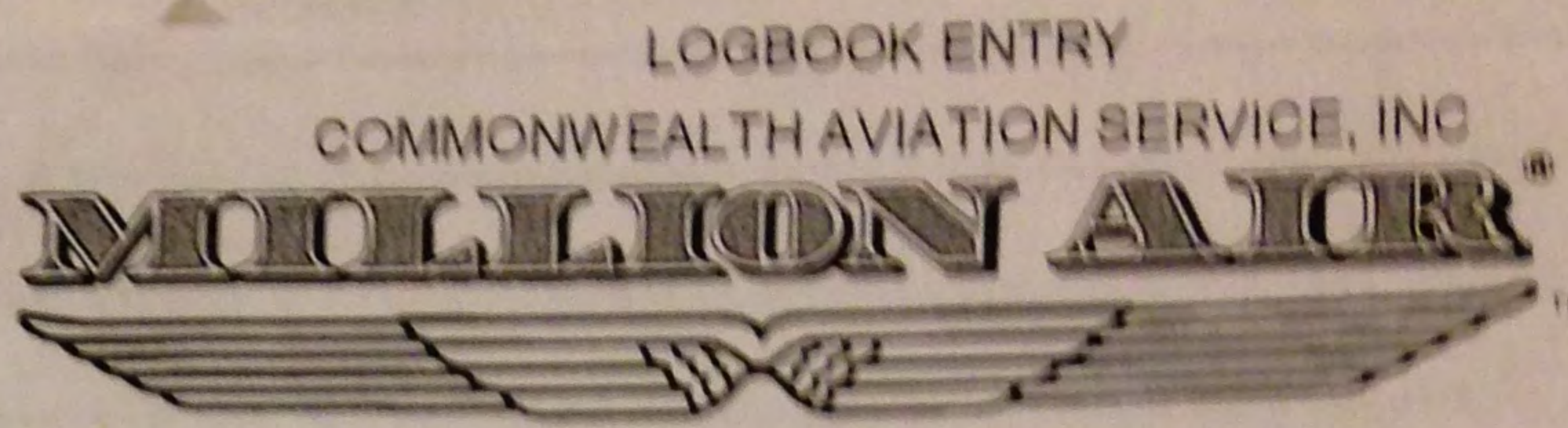
**AD 2009-16-03** N/A, no SAP investment cast cylinder assy's installed.

**AD 2009-24-52** E N/A, no record of any lifters being replaced.

Removed fuel injector nozzles, cleaned and reinstalled with new o-rings and washers referencing TCM MM 13-17.

Signed:   
Print: John T. Gardner  
for

COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W



LOGBOOK ENTRY  
COMMONWEALTH AVIATION SERVICE, INC

d/b/a MILLION AIR - RICHMOND  
Cirrus Design Service Center  
CRS VXWR051W

Manufacturer:	TCM	Date	5/5/2010
Model:	IO-550-N(42)	W.O.:	M100500
S/N:	689851	Reg #:	N330SR
TTE:	832.5	Hobbs:	1015.3
ACTT:	832.5	Flight Hobbs:	832.5

## ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

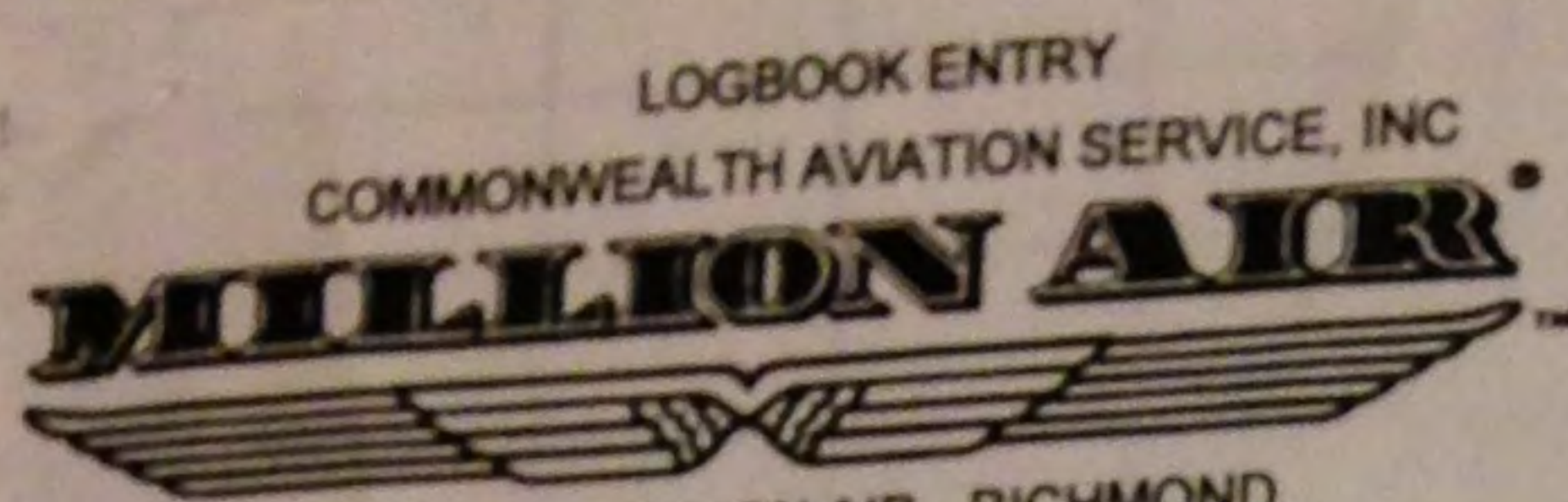
Drained oil and collected sample for analysis. Removed old oil filter. Cut open oil filter and inspected element. No metallic contamination noted. Installed new oil filter P/N: AA48108-2. Serviced the engine with 8 quarts of Aeroshell 15W-50 oil. Ran engine. Ops and leak checks good referencing TCM IO-550 MM and Cirrus SR22 AMM 12-10.

Signed: Donald R. Young  
Print: DONALD R. YOUNG  
for

COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W



Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward →				



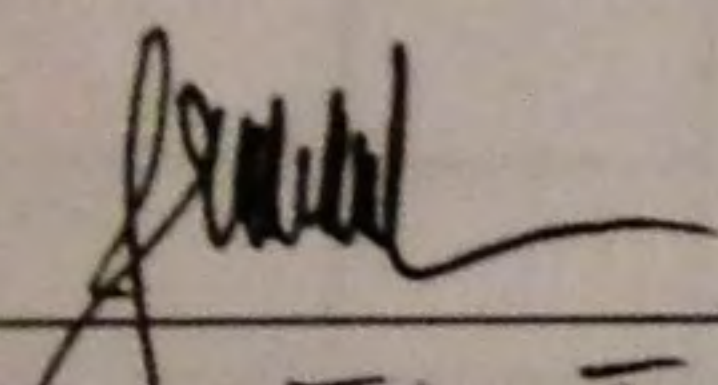
d/b/a MILLION AIR - RICHMOND  
Cirrus Design Service Center  
CRS VXWR051W

Manufacturer:	TCM	Date	8/16/2010
Model:	IO-550-N(42)	W.O.:	M100826
S/N:	689851	Reg #:	N330SR
TTE:	882.2	Hobbs:	1073.3
		Flight Hobbs:	882.2

#### ENGINE LOGBOOK INSERT

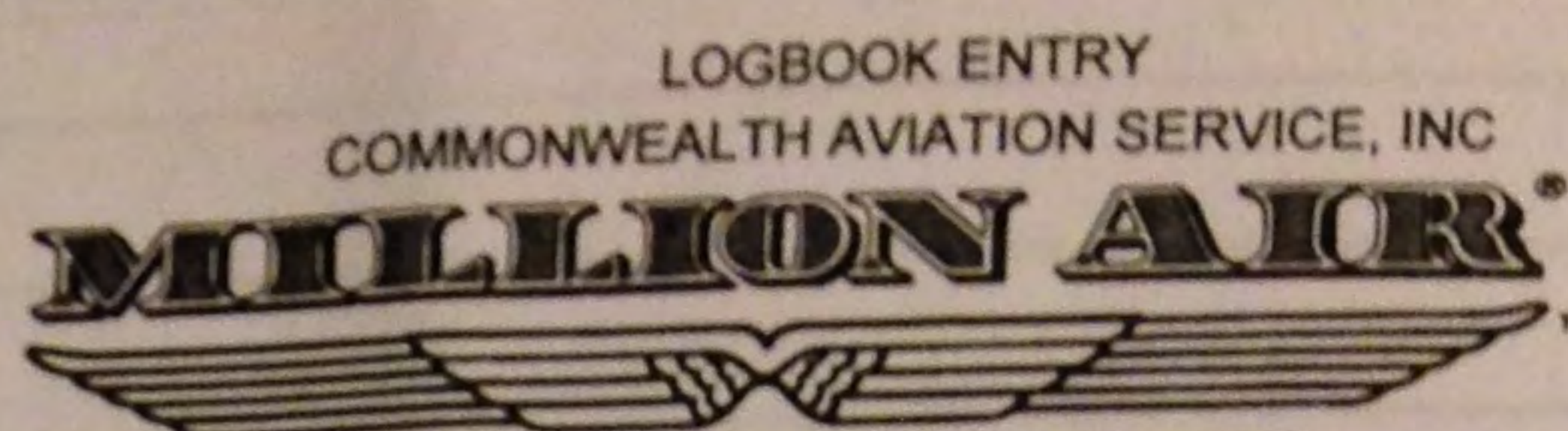
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

Drained oil and removed old oil filter. Cut open oil filter and inspected element. No metallic contamination noted. Installed a new oil filter P/N: AA48108-2. Serviced the engine with 8 quarts of Aeroshell 15W-50 oil. Ran engine. Ops and leak checks good referencing TCM IO-550 MM and Cirrus SR22 AMM 12-10.

Signed:   
Print: John T. Gardner  
for  
COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W

## Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins



d/b/a MILLION AIR - RICHMOND  
Cirrus Design Service Center  
CRS VXWR051W

Manufacturer:	TCM	Date	1/3/2011
Model:	IO-550 N (42)	W.O.:	M101219
S/N:	689851	Flight Hobbs:	925.3
Reg #:	N330SR	Hobbs:	1124.6
TTE:	925.3		

#### ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

The Teledyne Continental IO-550-N(42) S/N: 689851 engine was inspected referencing the current maintenance rules of the Federal Aviation Regulations for a **100 hour inspection** using the Cirrus Design SR22 current inspection guide (dated June 15, 2010) and is approved for return to service. The following items were serviced, repaired and/or inspected as noted.

Ran engine to operating temperature. Drained oil, captured oil analysis sample and removed oil filter. Inspected filter element, no metallic contamination noted. Installed new filter (AA48108-2) and serviced engine with 8 quarts of Aeroshell 15W50 oil. REF: AMM 12-10. OP's and leak checks good on engine ground run.

AD 2010-11-04 does not apply to this engine. Engine manufactured on 06/25/2006 and there is no record of any hydraulic lifters being replaced after June, 19, 2009.

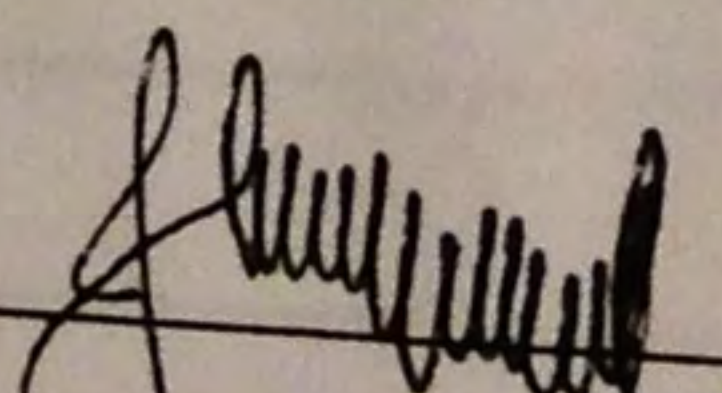
Removed cracked oil cooler and replaced with serviceable overhauled oil cooler. Ops check good. REF: TCM EMM 6-12, 11-40 and O/H manual section 14-2A. P/N off/on: 10281A (654585) S/N off: D06-4772-303. S/N on: G02-200-606.

Complied with 500 hour and 4 year overhaul of both magnetos by removing magnetos. Reinstalled magnetos after overhaul by Quality Aircraft Accessories Inc. (QYIR334Y) QAA #'s 68091 and 68092. Timed to engine as required. REF: TCM 10550N overhaul manual 18-35. Ops checked good. Left Mag P/N off/on: 10-500556-1 S/N off/on: D06CA053. Right Mag P/N off/on: 10-500556-1 S/N off/on: D06CA048.

Complied wit 300 hour/annual cleaning of fuel injectors by removing fuel injectors. Cleaned and inspected injectors. Reinstalled injectors using new o-rings, seals and gaskets. Ref. TCM IO-550-N EMM 13-19.

Removed defective # 1 alternator. Installed serviceable new alternator and gasket (653981). Made minor repairs to adjacent alternate air flexible duct by applying fusion tape. OP's check good. REF: AMM 24-30. P/N off/on: 649304. S/N off: 006EA145. S/N on: 009DA038.

Removed and replaced all 12 rocker cover gaskets with new (655705). REF: TCM IO-550-N EMM 9-6.

Signed:   
Print: John T. Gardner  
for  
COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W



Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward →				

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

LOGBOOK ENTRY  
COMMONWEALTH AVIATION SERVICE, INC.  
**MILLION AIR**  
d/b/a MILLION AIR - RICHMOND  
Cirrus Design Service Center  
CRS VXWR051W

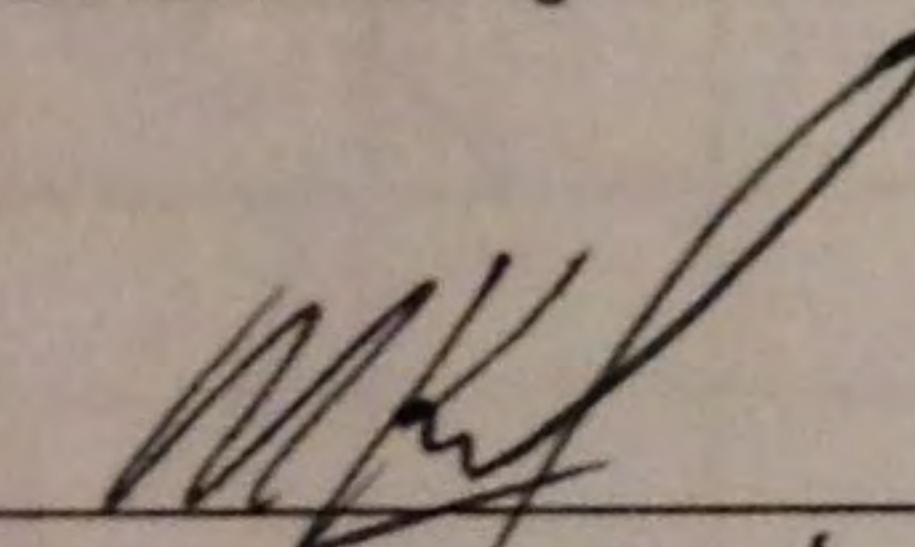
Manufacturer: TCM Date: 4/15/2011  
Model: IO-550 N-42 W.O.: M110431  
S/N: 689851 Reg #: N330SR  
TTE: 958.1 TAT: 958.1  
Flight Hobbs: 958.1  
Hobbs: N/A

## ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

an engine to normal operating temperature. Drained oil. Removed and inspected oil filter for metallic contamination. None found. Installed new oil filter (AA48108-2) and serviced engine with 8 quarts of Aeroshell 15W50 Oil. OP's and leak checks good. REF: AMM 79-20.

removed and tested spark plugs. Found 2 plugs that would not test. Installed 6 serviceable and 2 new spark plugs (RHB32S). Checked ignition leads and magneto drive teeth for damage. None found. REF: AMM 74-20.

Signed:   
Print: Mike Keating  
for

COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W

LOGBOOK ENTRY  
COMMONWEALTH AVIATION SERVICE, INC.  
**MILLION AIR**  
d/b/a MILLION AIR - RICHMOND  
Cirrus Design Service Center  
CRS VXWR051W

Manufacturer: TCM Date: 6/1/2011  
Model: IO-550-N(42) W.O.: M110528  
S/N: 689851 Reg #: N330SR  
TTE: 960.4 Flight Hobbs: 960.4  
Hobbs: 1170.0

## ENGINE LOGBOOK INSERT

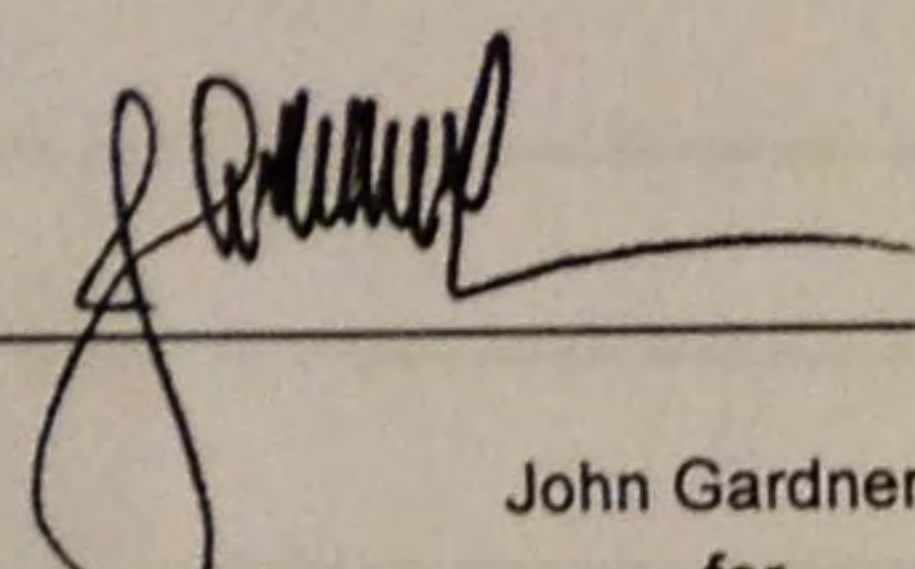
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

Removed # 3 cylinder assy. for repair. Cylinder assy. repaired by Mattituck Services, Inc., CRS# T10R834B WO# 63104 on 5/25/2011. Checked ring gaps referencing TCM OH manual 15-19. Installed repaired # 3 cylinder assembly referencing TCM OH Manual ch 18. Cylinder P/N off/on: 655932A3 S/N: 96236.

Drained oil and removed oil filter. Installed new oil filter (AA48108-2) and serviced with 8 quarts of Phillips 20W50 X/C oil. OP's and leak checked good. REF: AMM 12-10.

Complied with engine cylinder compression check. Results as follows:

- # 1 - 72/80
- # 2 - 72/80
- # 3 - 68/80 (before repair)
- # 4 - 70/80
- # 5 - 62/80
- # 6 - 68/80

Signed:   
Print: John Gardner  
for  
COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W

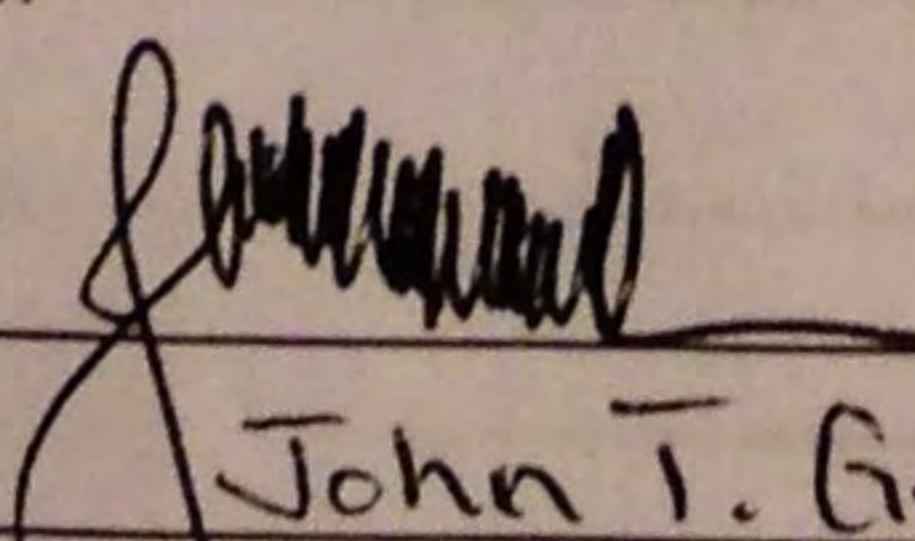
LOGBOOK ENTRY  
COMMONWEALTH AVIATION SERVICE, INC.  
**MILLION AIR**  
d/b/a MILLION AIR - RICHMOND  
Cirrus Design Service Center  
CRS VXWR051W

Manufacturer: Cirrus Date: 6/30/2011  
Model: SR22 W.O.: M110626  
S/N: 2077 Reg #: N330SR  
TTE: 961.8 Flight Hobbs: 961.8  
Hobbs: 1172.3

## ENGINE LOGBOOK INSERT

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service for the work performed. Pertinent details of this work order are on file at this repair station.

Removed cylinder #'s 1, 2, 4, 5 and 6. Reinstalled serviceable repaired cylinders in their original positions after repair by Mattituck Services, Inc. (T10R834B) Work Order 63136. OP's and leak checks good. REF: EMM Section 15-1.

Signed:   
Print: John T. Gardner  
for  
COMMONWEALTH AVIATION SERVICE, INC.  
F.A.A. Approved Repair Station No. VXWR051W



# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Air 88 Inc. dba CROWNAIR  
FAA Approved Repair Station #CWNR273K  
3753 John J. Montgomery Dr.  
San Diego, CA 92123

TCM Engine  
N330SR  
11-07-11

IO-550-N(42)  
Cirrus SR22  
Hobbs: 1226.4 Hrs

S/N: 689851

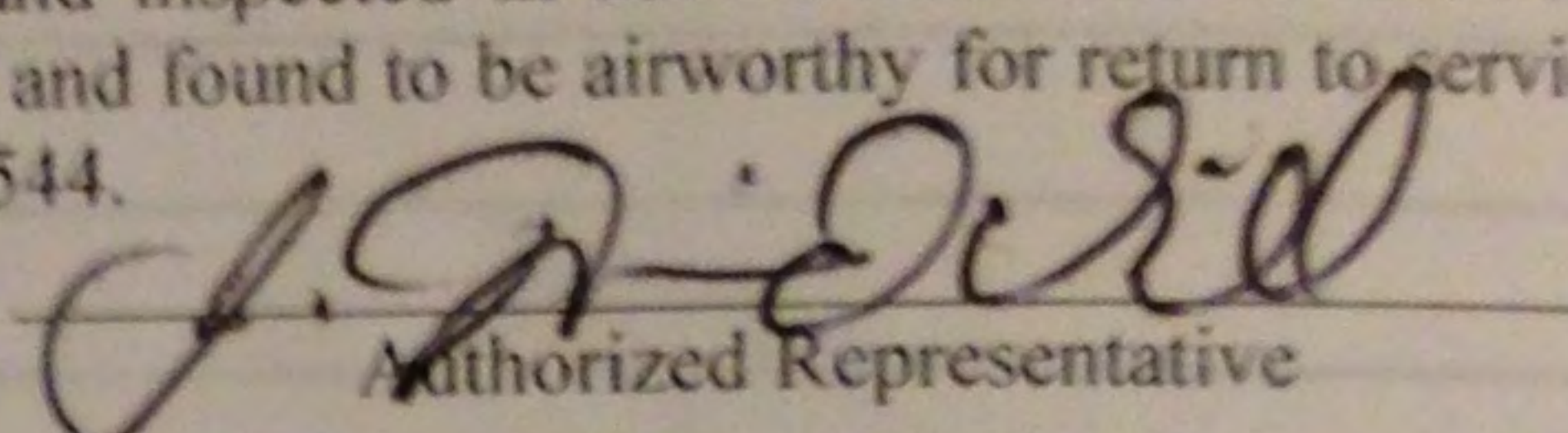
S/N: 2077

Flight Hour Meter: 1006.8 Hrs

## Maintenance performed:

- Adjusted prop governor low pitch stop one turn.
- Replaced #3 cylinder exhaust manifold with new P/N 15070-003. Also replaced exhaust gaskets on #1, #3 & #5 cylinder with new P/N 652458.
- Performed cylinder compression check as follows: #1. 64/80 #2. 60/80 #3. 70/80 #4. 66/80 #5. 60/80 #6. 61/80.

I certify that with respect to the work performed this engine was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-11-05544.

  
Authorized Representative

Air 88 Inc. dba CROWNAIR  
FAA Approved Repair Station #CWNR273K  
3753 John J. Montgomery Dr.  
San Diego, CA 92123

TCM Engine  
N330SR  
1-25-12

IO-550-N(42)  
Cirrus SR22  
Hobbs: 1229.5 Hrs

S/N: 689851

S/N: 2077

Flight Hour Meter: 1008.3 Hrs

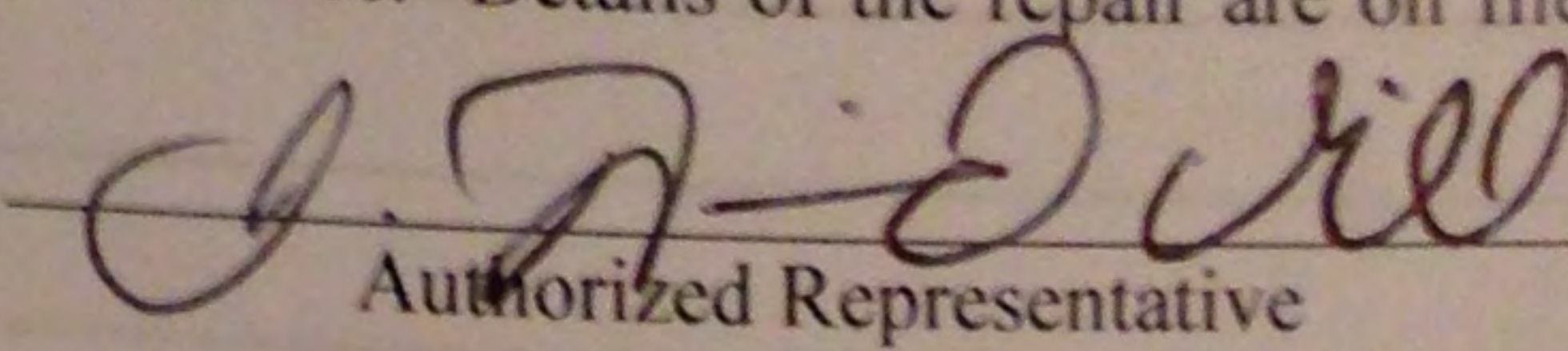
TSN: 1008.3 Hrs

## Maintenance performed:

- Completed **Annual Inspection** I/A/W Crownair 100 Hour/Annual Inspection Checklist, Form CA 105.
- Changed oil and filter. Serviced with 8 Qts of Phillips 20W-50 X/C oil and installed new oil filter, P/N AA48108-2.
- Cut open and inspected oil filter for metal contamination with no defects found.
- Took oil sample for analysis.
- Compressions are as follows: #1. 72/80 #2. 72/80 #3. 75/80 #4. 60/80 #5. 64/80 #6. 67/80.
- Replaced induction air filter element with new P/N BA-24.
- AD 2011-25-51 (CMI MSB11-4)** is N/A by date of engine manufacture. Also, no record of starter adapter replacement between January 1, 2011 & November 20, 2011.
- Complied with **SB 2X-74-01** by replacing all fine wire spark plugs with new massive electrode plugs, P/N RHB32E.
- Removed and replaced #2 field control module. Run up to 1700 rpm, alternator light extinguishes and amperage is showing up on MFD. Restarted power alternator light comes on and amperage decreases to zero. Ops checked good.
- Work done I/A/W Cirrus SR22 AMM 24-30.
- Removed #1 fuel injector line, sent out for weld repair and reinstalled. Repositioned line to prevent further chafing.

I certify that this engine has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition.

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order #PA-12-05609.

  
Authorized Representative



Air 88 Inc. dba CROWNAIR  
 FAA Approved Repair Station #CWNR273K  
 3753 John J. Montgomery Dr.  
 San Diego, CA 92123

TCM Engine  
 N330SR  
 5-30-12

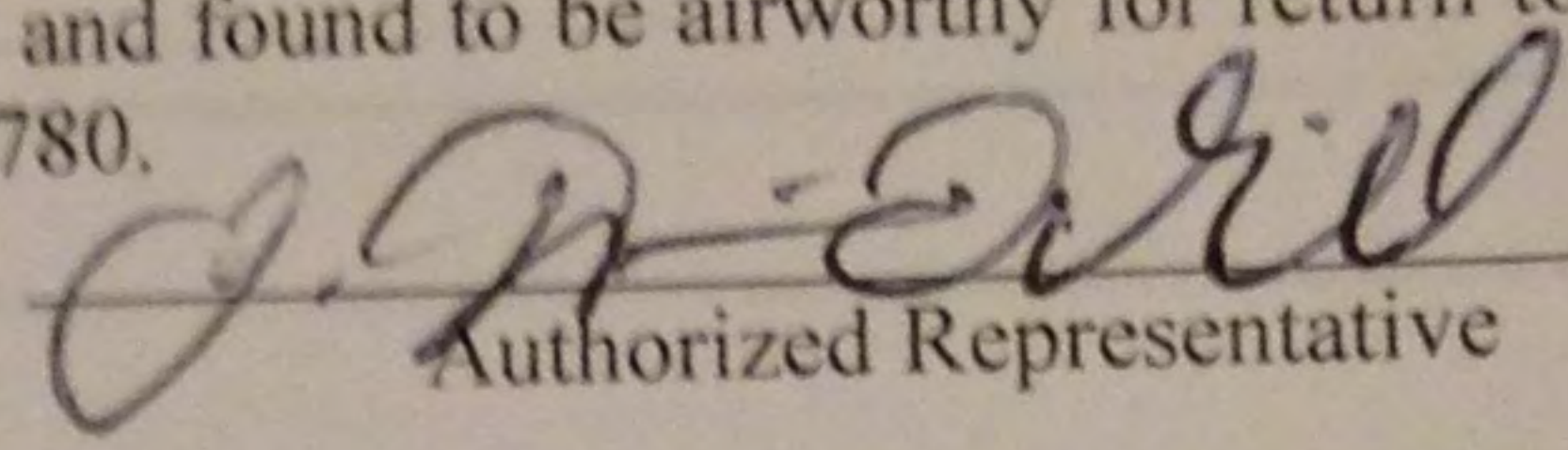
IO-550-N(42)  
 Cirrus SR22  
 Hobbs: 1281.2 Hrs

S/N: 689851  
 S/N: 2077  
 Flight Hour Meter: 1051.7 Hrs

**Maintenance performed:**

- Changed oil and filter. Serviced with 8 Qts of Phillips X/C 20W-50 oil and installed new CH48108-1 oil filter.
- Took oil sample for analysis.
- Adjusted prop dome and governor to gain RPM. Ground run static RPM at 2690 now.
- Removed and replaced starter adapter with Quality Aircraft Accessories, Inc. overhauled unit, P/N 642083-A12, S/N CAS-2858. See FAA Form 8130-3 for details. Replaced ISKRA starter with a rebuilt Sky-Tec starter, P/N C24ST3, S/N 4C3-101115. See FAA Form 8130-3 for details. Ground run and Ops check of starting system all checks good.

I certify that with respect to the work performed this engine was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-12-05780.

  
 Authorized Representative

Air 88 Inc. dba CROWNAIR  
 FAA Approved Repair Station #CWNR273K  
 3753 John J. Montgomery Dr.  
 San Diego, CA 92123

TCM Engine  
 N330SR  
 1-02-13

IO-550-N(42)  
 Cirrus SR22  
 Hobbs: 1332.4 Hrs

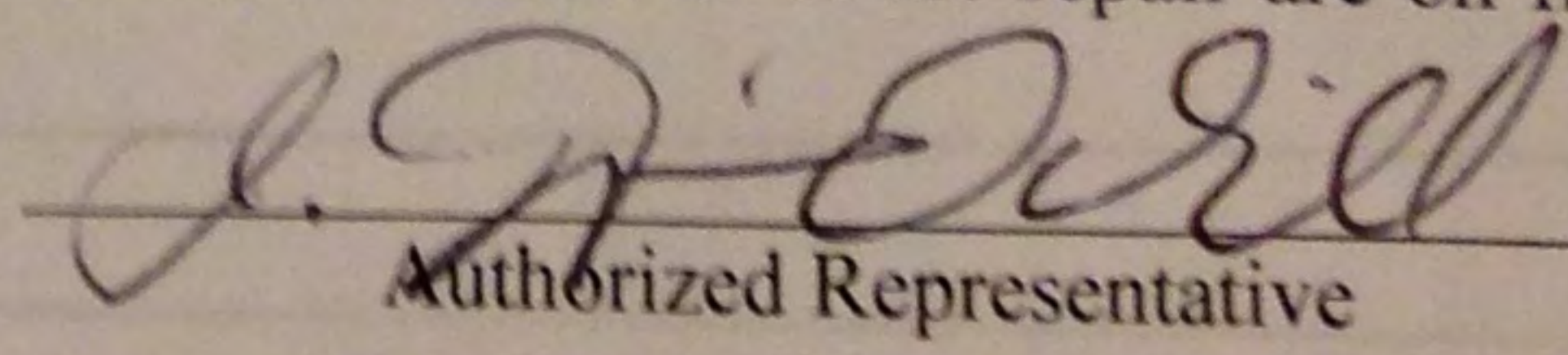
S/N: 689851  
 S/N: 2077  
 Flight Hour Meter: 1088.9 Hrs  
 TSN: 1088.9 Hrs

**Maintenance performed:**

- Completed **Annual Inspection** using Crownair Aviation Annual / 100 Hour Inspection Checklist, Form CA 105.
- Changed oil and filter. Serviced with 8 Qts of Phillips 20W-50 X/C oil and installed new oil filter, P/N CH48108-1.
- Cut open and inspected oil filter for metal contamination with no defects found.
- Took oil sample for analysis.
- Compressions are as follows: #1. 66/80 #2. 58/80 #3. 70/80 #4. 58/80 #5. 64/80 #6. 64/80.
- Replaced induction air filter element with new P/N BA-24.
- AD 2012-03-06 is N/A, affected fuel servo diaphragm not installed.
- Replaced gascolator o-ring with new P/N MS29513-137.

I certify that this engine has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition.

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order #PA-12-05992.

  
 Authorized Representative



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brc

Air 88 Inc. dba CROWNAIR  
 FAA Approved Repair Station #CWNR273K  
 3753 John J. Montgomery Dr.  
 San Diego, CA 92123

TCM Engine  
 N330SR  
 9-23-13

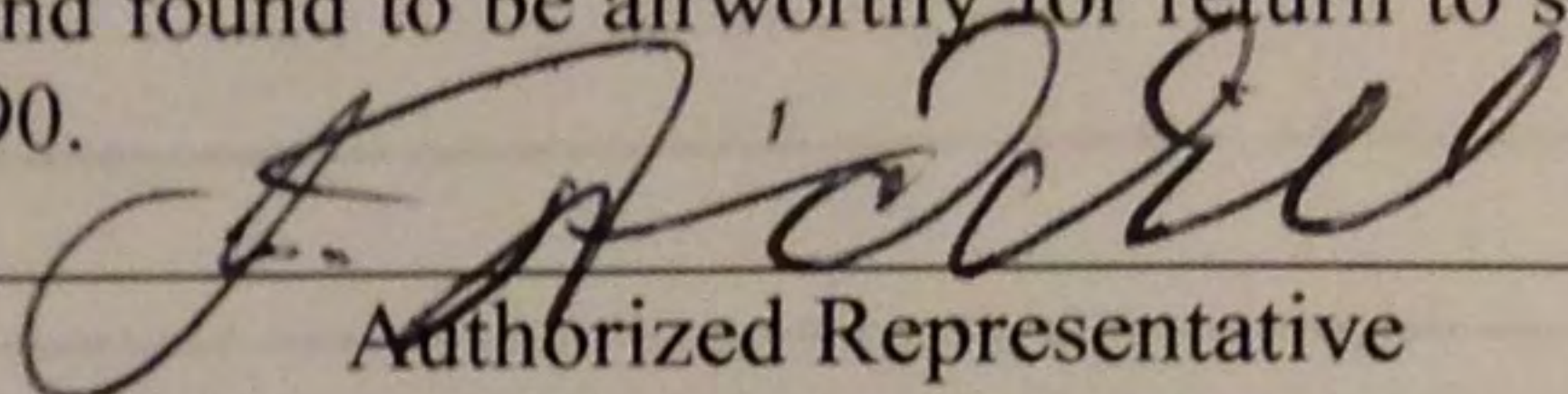
IO-550-N(42)  
 Cirrus SR22  
 Hobbs: 1392.2 Hrs

S/N: 689851  
 S/N: 2077  
 Flight Hour Meter: 1134.0 Hrs

**Maintenance performed:**

- Changed oil and filter. Serviced with 8 Qts of Phillips X/C 20W-50 oil and installed new CH48108-1 oil filter.
- Took oil sample and sent out for analysis.

I certify that with respect to the work performed this **engine** was repaired and inspected in accordance with current FAA regulations. Only those items specified in the work order have been inspected and found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-13-06290.

  
 Authorized Representative

Air 88 Inc. dba CROWNAIR  
 FAA Approved Repair Station #CWNR273K  
 3753 John J. Montgomery Dr.  
 San Diego, CA 92123

TCM Engine  
 N330SR  
 1-20-14

IO-550-N(42)  
 Cirrus SR22  
 Hobbs: 1402.9 Hrs

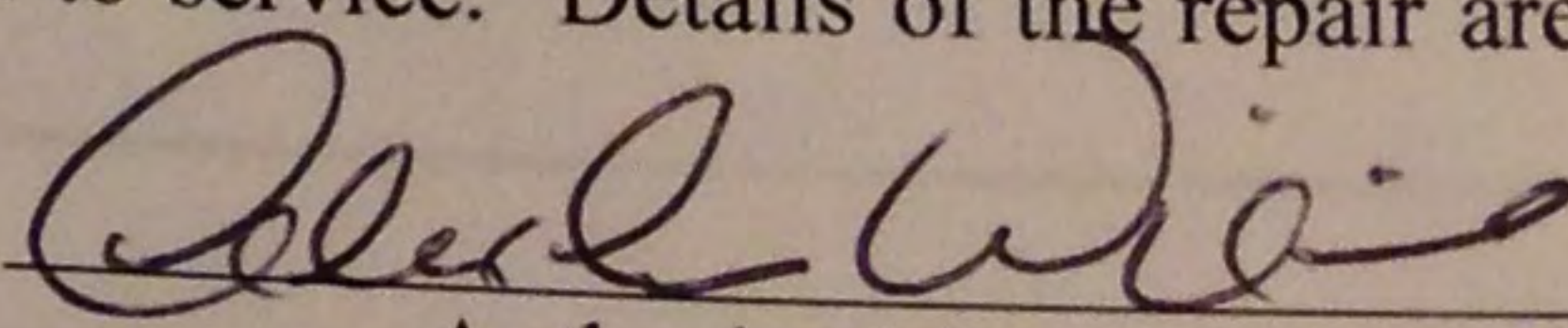
S/N: 689851  
 S/N: 2077  
 Flight Hour Meter: 1141.5 Hrs  
 TSN: 1141.5 Hrs

**Maintenance performed:**

- Completed **Annual Inspection** using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105.
- Changed oil and filter. Serviced with 8 Qts of Aeroshell 100 mineral oil and installed new oil filter, P/N CH48108-1.
- Cut open and inspected oil filter for metal contamination with no defects found.
- Took oil sample and sent in for analysis.
- Compressions are as follows: #1. 68/80 #2. 32/80 #3. 74/80 #4. 56/80 #5. 62/80 #6. 60/80.
- Replaced induction air filter element with new P/N BA-24.
- Repaired worn and elongated induction air filter end cover plate by installing 2 new washers P/N AN970-3 using 2 part Epoxy.
- **TCM CSB08-3C** Inspection/replacement of throttle and mixture control levers is N/A, has stainless steel control levers installed.
- Replaced induction air filter element with new P/N BA-24.
- Removed #2 cylinder assy due to low compression. Installed overhauled exchange cylinder assy P/N 655932, S/N C5687 from Aircraft Engine Specialists using new seals and gaskets supplied with the cylinder. Ground run and leak checked good I/A/W supplied break-in procedures. Work done I/A/W TCM Overhaul Maintenance Manual M-16.
- Retimed right mag to 22 degrees, ground run mag checks are good.

I certify that this **engine** has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition.

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-14-06401.

  
 Authorized Representative