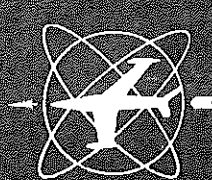


Left



*The Standard*

# ENGINE LOG

**ASA-SE-2**



**Engine Record** General Information

Manufacturer Teledyne Continental Model T810-520-NB

Serial 217744-72K (Left) Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft: N# 28913

Minimum Octane Fuel \_\_\_\_\_ Oil Grade Summer \_\_\_\_\_ Winter \_\_\_\_\_

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer's Recommended Overhaul at \_\_\_\_\_ hours







<b>YEAR</b>	<b>RECORDING TACH TIME</b>	<b>TODAY'S FLIGHT</b>	<b>TOTAL TIME IN SERVICE</b>	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
20____ <b>DATE</b>				

Date: 6-30-2010 Hobbs: 149.8 Reg. No.: 28913

A/C Model: 340 A/C S/N: 340-0153

Eng. Model: TSIO-520-NB Eng. S/N: 217744-72K

## Engine Major Overhaul

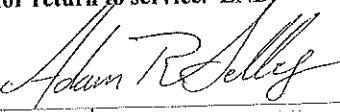


ACCESSORIES OVERHAULED OR EXCHANGED AT OVERHAUL

<b>MFG. NAME</b>	<b>COMPONENT</b>	<b>MODEL/PN</b>	<b>SERIAL No.</b>
Bendix	Pressurized Magneto	10-349460-1	K041191
Bendix	Pressurized Magneto	10-349420-1	K041190
Kelly Aerospace	Starter	MHJ-4003S	J110096
Prestolite	Alternator	ALV-9510	A123993
TCM	Fuel Metering Unit	632916-11	I107412A
TCM	Fuel Pump	646210-2A1	H309624BR
TCM	Manifold Valve	634326-4A18	M4152RA
TCM	Fuel Pressure Limiter	642100-5	NSN
Garrett	Wastegate	470908-9006	BA0117 - 72
Garrett	Controller	470836-9018RAM	BA018024
Garrett/ RAM	PRV	1020-2	HK0172
Globe	Tach. Gen.	22A667	22177
Stewart Warner	Oil Cooler	1E1775	0376



**The New Firewall Forward**  
**Loveland, CO 80538**



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>Date: 6-30-2010 Hobbs: 149.8 Reg. No.: 28913 A/C Model: 340 A/C S/N: 340-0153 Eng. Model: TSIO-520-NB Eng. S/N: 217744-72K Engine Major Overhaul</p> <p>I certify that this engine has been inspected in accordance with a 100hr inspection and is approved for return to service. END.</p> <p>Adam R. Selby A&amp;P# 2753721  The New Firewall Forward Loveland, CO 80538</p>
				<p>Date: 6-30-2010 Hobbs: 149.8 Reg. No.: 28913 A/C Model: 340 A/C S/N: 340-0153 Eng. Model: TSIO-520-NB Eng. S/N: 217744-72K Engine Major Overhaul</p> <p>Engine and propeller installation completed this date for the purpose of a engine major overhaul. Engine installation performed in accordance with RAM STC SA2346SW-D option 3 (FAA form 337 filed this date). Engine serviced with 12 quarts Aeroshell 15W50, and new CH48109-1 oil filter installed. New engine air filter P/N# P12-8156 installed per RAM Drawing No. 1276, Revision L. Control cables lubed, and adjusted as necessary. Engine functional, leak check and test flight satisfactory and is approved for return to service. For complete details concerning these overhauls and installations refer to W.O# 8915 at this overhaul facility. END.</p> <p>Adam R. Selby A&amp;P# 2753721   The New Firewall Forward Loveland CO. 80538</p>



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE: 07/22/2010 HOBBS: 150.1 N: 28913 MODEL: 340 S/N: 340-0153  
LEFT ENGINE MODEL: TSIO-520-NB S/N: 217744-72K TSMOH: 00.0

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. AD's researched through 2010-12.

GATES AVIATION, INC.  
5235 Gulf Stream Ct.  
Loveland, CO 80538  
970-461-9999

Mark D. Bushong A&P 2689010IA

LEFT ENGINE Maintenance Entry OCT 14, 2010  
N28913 Cessna 340 S/N 340-0153  
HOBBS:0172.4

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

RAN ENGINE AND WARMED, REMOVED COWLINGS AND DRAINED OIL. REMOVED OIL FILTER AND CUT TO CHECK FOR METAL, FILTER CHECK GOOD. INSTALLED A NEW AA48109 OIL FILTER AND SECURED. SERVICED OIL WITH 12QTS AEROSHELL 15W50 OIL. RAN ENGINE AND LEAK CHECKED. LEAK CHECK GOOD. REINSTALLED COWLINGS AND SECURED. WORK PERFORMED BY JIM TRIGG AND DAVID GENTRY

DAVID GENTRY  
A&P# 3421006



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Aircraft Maintenance Entry NOV 8, 2010**  
**N28913 Cessna 340 S/N 340-0153**

**Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358**

TROUBLESHOT LEFT TACH GENERATOR TO FIND A BAD TACH GENERATOR ON THE LEFT ENGINE.  
 THIS WAS A WARRENTY ITEM FROM FIREWALL FORWARD, INSTALLED A OVERHAULED TACH  
 GENERATOR AND SECURED. GROUND RAN ENGINE, OPERATIONAL AND LEAK CIECK GOOD,  
 REINSTALLED COWLINGS AND SECURED. ALL I.A.W. M/M.  
 PN#MS25038-2-C/P  
 SN#38885  
 DAVID GENTRY *David Gentry*  
 A&P# 3401006



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**LEFT ENGINE Maintenance Entry DEC 3, 2010**  
**N28913 Cessna 340 S/N 340-0153**  
**HOBBS:0203.1**

***Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358***

RAN ENGINE AND WARMED, REMOVED COWLINGS AND DRAINED OIL. REMOVED OIL FILTER AND CUT TO CHECK FOR METAL, FILTER CHECK GOOD. INSTALLED A NEW AA48109 OIL FILTER AND SECURED. SERVICED OIL WITH 11QTS AEROSHELL 100W OIL. RAN ENGINE AND LEAK CHECKED. LEAK CHECK GOOD. COMPLIED WITH COMPRESSION CHECK AS PER OWNER, #1, 72/80. #2, 73/80. #3, 74/80. #4, 73/80. #5, 73/80. #6, 76/80. REINSTALLED COWLINGS AND SECURED. ALSO FOUND FORWARD CRANK SEAL LEAKING, REMOVED PROP AND REMOVED AND REPLACED CRANK SEAL, INSTALLED AND SECURED. REINSTALLED PROP AND SECURED, ALL I.A.W. M/M. RAN ENGINE, NO LEAKS NOTED. OPERATIONAL CHECK GOOD.  
 DAVID GENTRY *David Gentry*  
 A&P# 3401000

**LEFT ENGINE Maintenance Entry DEC 9, 2010**  
**N28913 Cessna 340 S/N 340-0153**  
**HOBBS:0203.1**

***Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358***

LEFT ENGINE OIL LEAK, TROUBLE SHOT TO FIND CRANK SEAL LEAKING. REMOVED PROP AND INSTALLED A NEW CRANK SEAL AND SPRING. PN#641306, PN#641250. REINSTALLED PROP AND TORQUED I.A.W M/M, RAN ENGINE AND LEAK CHECK GOOD. REINSTALLED COWLINGS AND SECURED.  
 DAVID GENTRY *David Gentry*  
 A&P# 3401000



YEAR  
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DATE

RECORDING  
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TODAY'S  
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SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
Entries must be endorsed with Name, Rating and Certificate Number of  
Technician or Repair Facility. (See back pages for other specific entries.)

YEAR  
20  
DATE

HOBBS TIME: 250.9

**LEFT ENGINE Maintenance Entry May 23, 2011**

*N28913 CESSNA 340 Serial # 340-0153*

*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*

1.) CLEAN, GAP & TEST SPARK PLUGS ON LEFT ENGINE. CLEAN, GAP, TESTED & REINSTALLED  
SPARK PLUGS ON LEFT ENGINE WITH NEW GASKETS

2.) CLEAN FUEL INJECTORS LEFT ENGINE. CLEANED INJECTORS & REINSTALLED W/NEW O RINGS  
& SEALS. RAN ENGINE AND LEAK CHECKED GOOD.

3.) CHANGE OIL LEFT ENGINE. CHANGED OIL & FILTER LEFT ENGINE. SERVICED OIL SUMP WITH  
1 QT'S A/S 100W OIL. RAN ENGINE AND LEAK CHECKED GOOD.

*James W. Trigg*  
JAMES W. TRIGG  
A&P# 2220484



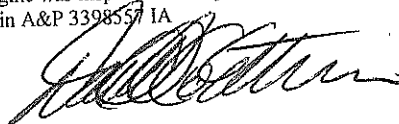
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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N28913 Left Engine Maintenance Entry  
Cessna 340 SN 0153 TSIO-520-NB SN 217744-72K  
Hour meter 268.4 Heater HM 5.6  
July 22, 2011 Aircraft Total Time 2953.2 HM  
Engine TSO 118.3

***Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358***

Inspected the oil filter, no metal was noted. Installed a new CH48109-1 oil filter and safetied. Performed a differential compression check. MOT referenced 46/80, 1) 72/80 2) 70/80 3) 74/80 4) 68/80 5) 72/80 6) 76/80. Cleaned gapped and inspected spark plugs. Reinstalled with new gaskets. Adjusted the mag to engine timing on both mags. Cleaned the servo injector screens. Cleaned the fuel nozzles and reinstalled with new seals. Washed engine, ground ran and leak checked, no leaks noted. This engine was inspected in conjunction with an annual inspection and is approved for return to service. David C Entrekin A&P 3398557 IA





YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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YEAR 20 DATE
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Left Engine Maintenance Entry October 18, 2011

N28913

Hour Meter 303.9

*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*

Removed leaking vacuum pump from left engine, Pesco P/N 3P-207-JA, S/N PE4787. Installed overhauled wet vacuum pump, Pesco P/N 3P-207-JA RX, S/N PE8930. Overhaul completed by Accessories Inc. FAA # TM2R192L, work order # 68489R, I.A.W. 03-30AH-1, Rev. 11-1950, Dated Sept. 30, 2011. Ground ran engine. Operational check good. No leaks noted.

*CR Hopper*  
Charles R. Hopper

AP 3564582



YEAR

20

DATE

Left Engine Maintenance Entry October 18, 2011  
N28913

Hour Meter 303.9

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

Drained engine oil, inspected filter, no metal was noted. Installed a new CH48109-1 oil filter and secured with lock-wire. Reinstalled drain plug and safetied. Serviced sump with 10 quarts Aeroshell 100W. Washed Engine, ground ran, and leak checked.



Charles R. Hopper  
AP 3564582

Airframe Maintenance Entry November 11, 2011

N28913 Cessna 340 S/N 340-0153

HM: 304.3

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

Re-soldered connector on left tach generator harness and installed an overhauled EM8000 tach generator serial 3214. The unit was overhauled by Aerospace Turbine Rotables FAA CRS NV2R045L on WO 15254 dated 10-28-2011.

David C Entrekin A&P 3398557





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**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Left Engine Maintenance Entry January 20, 2012

N28913 Cessna 340 S/N 340-0153

HM: 323.7

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

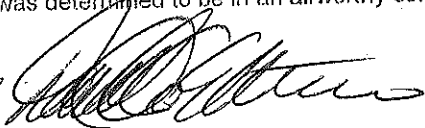
Removed the left magneto/accessory drive pad and installed a new 25102 oil seal assembly. Cleaned air pump lubrication passages and reinstalled the drive pad with new gaskets. Re-installed the air pump assy. Removed and re-indexed the left magneto and reset timing to 20 degrees before top dead center. Reduced the oil pressure relief by 1.5 turns. Washed engine, ground ran and leak checked, no leaks noted. Magneto checked good and oil pressure rested at top of green at maximum attainable temperature

David C Entekin A&P 3398557



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YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p align="center"><i>Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358</i></p> <hr/> <p align="center"> <b>Left Engine Maintenance Entry      N28913      August 1, 2012</b>  <b>Continental TSIO-520-NB      S/N: 217744-72K      Hour Meter: 352.4</b> </p> <p><u>Maintenance Actions</u></p> <ol style="list-style-type: none"> <li>1) Performed 100 hr/annual inspection/maintenance in accordance with Cessna 340/340A Service Manual Inspection Checklist.</li> <li>2) Compression check results: 1) 71/80, 2) 72/80, 3) 70/80, 4) 76/80, 5) 75/80, 6) 73/80.</li> <li>3) Cleaned engine air oil separators.</li> <li>4) Cleaned Prop heat slip rings and brush blocks.</li> <li>5) Serviced unfeathering accumulators.</li> <li>6) Set prop sync pick-up target threshold to baseline.</li> <li>7) Replaced O-ring, P/N: AS3578-038 on starter.</li> </ol> <p>Work accomplished by: David C. Entrekina, Michael L. Brown, Joshua Miley, Charles R. Hopper, and Ronald D. Thompson</p> <p><u>AD Compliance</u></p> <ol style="list-style-type: none"> <li>1) Complied with AD 2000-01-16, Amendment 39-11514, para (b), (c), (d), (e), by inspection of Exhaust System, no defects noted at this time.</li> </ol> <p>Performed ground run and operational checks. No defects noted at this time. I certify this Engine has been inspected in accordance an 100 HR INSPECTION in conjunction with an Annual Inspection and was determined to be in an airworthy condition. END.</p> <p align="center"> David C Entrekina A&amp;P 3398557  </p>

David C Entrekin A&P 3398557



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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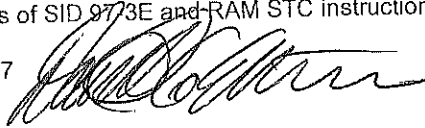
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*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*

**Left Engine Maintenance Entry**      **N28913**      **October 6, 2012**  
**Continental TSIO-520-NB**      **S/N: 217744-72K**      **Hour Meter: 356.3**

Reinstalled alternator ALV-9510 serial A123993 following repair by Aerotech of Louisville FAA CRS PU4R453M on WO 94510 dated 8-28-2012. Adjusted voltage regulator and paralleling. Set fuel flow limits as per directions of SID 973E and RAM STC instructions.

David C Entrekin A&P 3398557



*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*



**Left Engine Maintenance Entry**      **N28913**      **9 November 2012**  
**Continental TSIO-520-NB**      **S/N: 217744-72K**      **Hour Meter: 362.5**

Tightened oil line fitting on input side of oil pump. Performed ground and operational checks. No further defects noted. END.

David C Entrekin A&P 3398557





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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358



**Left Engine Maintenance Entry**      **N28913**      **13 December 2012**  
**Continental TSIO-520-NB**      **S/N: 217744-72K**      **Hour Meter: 363.9**

Removed right magneto drive pad gear and replaced 25102 oil seal, 655269 drive cushions, 6540122 and MS9134-01 gaskets. Retimed magneto to engine. Performed ground, leak and operational checks. No anomalies indicated. END.

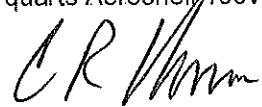
David C Entrekin A&P 3398557

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358



**Left Engine Maintenance Entry**      **N28913**      **June 3, 2013**  
**Continental TSIO-520-NB**      **S/N 217744-72K**      **Hobbs: 396.9**

Drained engine oil, inspected filter, no metal was noted. Installed a new CH48109-1 oil filter and secured with lock-wire. Reinstalled drain plug and safetied. Serviced sump with 10 quarts Aeroshell 100W. Washed Engine, ground ran and leak checked.

  
Charles R. Hopper  
AP 3564582



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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YEAR  
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*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*

**Left Engine Maintenance Entry**      **N28913**      **September 20, 2013**  
**Continental TSIO-520-NB**      **S/N: 217744-72K**      **Hour Meter: 415.8**

**Maintenance Actions**

- 1) Performed 100 hr/annual inspection/maintenance in accordance with Cessna 340/340A service manual checklist.
- 2) Performed compression test of engines. Results as follows:  
Right engine: 1) 76/80, 2) 70/80, 3) 76/80, 4) 70/80, 5) 75/80, 6) 75/80.  
Left Engine : 1) 70/80, 2) 72/80, 3) 77/80, 4) 72/80, 5) 76/80, 6) 72/80.
- 3) Replaced vacuum system relief filters.
- 4) Cleaned fuel selector and heater fuel screens.
- 5) Cleaned engine air oil separators.
- 6) Cleaned de-ice filter air oil separators.
- 7) Resealed propeller de-ice boots.
- 8) Replaced all right propeller de-ice wire leads P/N RA-C165013-0604.
- 9) Replaced all right propeller de-ice wire lead adel clamps P/N RATA1720SS4T
- 10) Replaced all right propeller rear bulkhead wire clamps P/N TA063-0001
- 11) Serviced unfeathering accumulators.
- 12) Replaced band clamps P/N 2266C062-262-M on both left and right engine inboard exhaust manifolds.

Work accomplished by: David C. Entekin, Michael L. Brown, Charles R. Hopper, and Richard G. Sheridan

**AD Compliance**

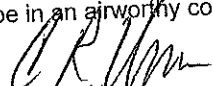
See AD compliance record, dated 9/20/2013, for complete list of applicable AD's.



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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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1) Complied with AD 2000-01-16, Amendment 39-11514, para (b), (c), (d), (e), by inspection of Exhaust System, no defects noted at this time.  
Performed Annual Inspection in accordance with 14 CFR 43 App D. Performed ground run and operational checks. No defects noted at this time.  
This engine has been inspected in accordance an **ANNUAL INSPECTION** and was determined to be in an airworthy condition. END.

  
Charles R. Hopper  
AP/A 3564582

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 

Left Engine Maintenance Entry  
Continental TSIO-520-NB


N28913

May 23, 2014

S/N 217744-72K

Hobbs: 0447.6

Drained engine oil, inspected filter, no metal was noted. Installed a new CH48109-1 oil filter and secured with lock-wire. Reinstalled drain plug and safetied. Serviced sump with 10 quarts AeroShell 100W. Washed Engine, ground ran and leak checked.

  
Charles R. Hopper  
AP 3564582



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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YEAR  
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*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*

**Left Engine Maintenance Entry**      **N28913**      **November 1, 2014**  
**Continental TSIO-520-NB**      **S/N: 217744-72K**      **HM: 415.8 TSO 331.5**

Drained engine oil, inspected filter, no metal noted. Serviced sump with oil and installed and safetied a new filter. Performed a differential compression test 1) 78/80, 2) 75/80, 3) 70/80, 4) 70/80, 5) 70/80, 6) 77/80. Cleaned the fuel nozzles. Cleaned the air-oil separator. Checked magneto to engine timing. Installed 12 new RHB32E spark plugs. Washed engine, ground ran and leak checked, no leaks noted. Work accomplished by: David C. Entrekin, Michael L. Brown, Charles R. Hopper, Richard G. Sheridan, James W Trigg. This engine has been inspected in conjunction with an annual inspection and is approved for return to service. David C Entrekin A&P 3398557IA

*[Signature]*

*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*

**Left Engine Maintenance Entry**      **N28913**      **April 1, 2015**  
**Continental TSIO-520-NB**      **S/N 217744-72K**      **Hobbs: 0528.6**

Drained engine oil, inspected filter, no metal was noted. Installed a new CH48109-1 oil filter and secured with lock-wire. Reinstalled drain plug and safetied. Serviced sump with 10 quarts Phillips XC. Washed Engine, ground ran and leak checked. No leaks noted.

David C Entrekin A&P 3398557

*[Signature]*



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

**Left Engine Maintenance Entry**      **N28913**      **December 4, 2015**  
**Continental TSIO-520-NB**      **S/N: 217744-72K**      **HM: 556.4 TSO 406.5**

**Iterations**

Number of  
cific entries

Removed induction air box and plubing to gain access to oil pump. Removed tach generator and tach gen drive pad. Cleaned and prepped drive pad, installed 00 silk thread to mount pad and reinstalled drive pad. Installed new oil pressure plunder pn 642336, seat pn 641653 and spring pn 634150. Torqued bolts and reinstalled components removed to gain access. Ground ran and leak checked, non noted.

Charles R. Hopper AP 3564582

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

**Left Engine Maintenance Entry**      **N28913**      **March 3, 2016**  
**Continental TSIO-520-NB**      **S/N 217744-72K**      **Hobbs: 597.2**

Drained engine oil. Removed and inspected oil filter, no metal noted. Installed a new CH48109-1 oil filter and saftied. Reinstalled drain plug and safetied. Cleaned and inspected spark plugs. Installed one new URHB32E spark plug. Serviced sump with 10 quarts Phillips XC 20W50 oil. Washed Engine, ground ran and leak checked. No leaks noted. Work performed by Jacob Cox.

R. G. Sheridan A&P 3405349



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Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

Airframe Maintenance Entry  
Cessna 340

N28913  
S/N: 0150

April 20, 2016  
Hour: 602.5

Removed left alternator pn ALV-9510. Installed new alternator pn ALV-9610 sn M725160 with overhauled alternator drive coupling pn 64655 sn DRK117415. Alternator was produced by Hartzell Engine Technologies PQ1383CE-D on WO M725160 dated 14 Jan 16. Drive coupling was overhauled by CAMTRONICS, LLC CRS D8XR913Y on WO 137245 dated 01 Feb 2016. Ground ran engine, alternator operation normal and no leaks noted.

  
Charles R. Hopper AP 3564582

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

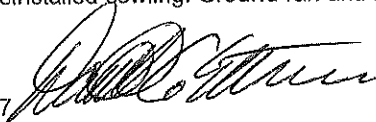
Left Engine Maintenance Entry  
Continental TSIO-520-NB

N28913  
S/N: 217744-72K

August 17, 2016  
HM: 620.5

Removed cowling. Removed starter. Reinstalled starter with new MS9021-038 o-ring. Washed down engine compartment. Reinstalled cowling. Ground ran and leak checked with none noted.

David C. Entrekin AP 3398557





YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*

**Left Engine Maintenance Entry**      **N28913**      **December 9, 2016**  
**Continental TSIO-520-NB**      **S/N: 217744-72K**      **HM: 627.3 TSO 477.4**

Drained engine oil, inspected filter, no metal noted. Serviced sump with oil and installed and safetied a new filter. Performed a differential compression test 1) 71/80, 2) 62/80, 3) 71/80, 4) 61/80, 5) 72/80, 6) 72/80. Checked magneto to engine timing. Removed propeller pn # AF32C515/G82NLA-4 sn 962230 for repair of oil leak. Propeller reinstalled after repair. Propeller was repaired by South Coast Propeller Service, Inc. FAA CRS S6PR302x on work order SR-11278 dated 07 Dec 2016.

Washed engine, ground ran and leak checked, no leaks noted. Work accomplished by: David C. Entrekin, Charles R. Hopper and Richard G. Sheridan. This engine has been inspected in conjunction with an annual inspection and is approved for return to service.

*CR Hopper*  
Charles R. Hopper A&P 35645821A

*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358*

**Left Engine Maintenance Entry**      **N28913**      **February 10, 2017**  
**Continental TSIO-520-NB**      **S/N 217744-72K**      **Hobbs: 632.7**  
Installed serviceable clamp pn 2266C062-262-M at lower turbo overboard position.

*David C. Entrekin*  
David C. Entrekin  
A&P 3405349



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### Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

**Left Engine Maintenance Entry**      **N28913**      **December 6, 2017**  
**Continental TSIO-520-NB**      **S/N: 217744-72K**      **HM: 673.2 TSO 523.3**

#### Maintenance Actions

- 1) Performed 100 hr/annual inspection/maintenance in accordance with Cessna 340/340A service manual checklist.
- 2) Performed compression test. Results as follows: 1) 72/80, 2) 68/80, 3) 72/80, 4) 62/80, 5) 74/80, 6) 61/80.
- 3) Drained engine oil. Removed and inspected oil filter, no metal noted. Installed a new CH48109-1 oil filter and saftied. Serviced sump with 11 quarts Phillips XC 20W50 oil.
- 4) Installed new induction air filter pn P128156.
- 5) Removed, cleaned, inspected and reinstalled fuel nozzles with new 633958-3 seals, 630979-9 o-rings and 640612 washers.
- 6) Cleaned engine air oil separators.
- 7) Cleaned de-ice filter air oil separators.
- 8) Replaced all spark plugs pn URHB32E.

Work accomplished by: David C. Entrekin, Charles R. Hopper, Stephen B. Duncan and R. G. Sheridan

#### AD Compliance



It is important that the user of Block 1, it is essential that the national regulations by FAA Form 8130-3 (02-16)

DATE	TIME	FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations						
				<p><b>AD Compliance</b></p> <p>1) Complied with AD 2000-01-16, Amendment 39-11514, para (b), (c), (d), (e), by inspection of Exhaust System, no defects noted at this time.</p> <p>Performed Annual Inspection in accordance with 14 CFR 43 App D. Performed ground run and operational checks. No defects noted at this time.</p> <p>This engine has been inspected in accordance an <b>ANNUAL INSPECTION</b> and was determined to be in an airworthy condition.</p> <p><i>CR Hopper</i> Charles R Hopper AP/IA 3564582</p> <p><i>Madison Air Center 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358</i></p> <table border="1"><tr><td>Left Engine Maintenance Entry</td><td>N28913</td><td>March 13, 2020</td></tr><tr><td>Continental TS/O-520-NB</td><td>S/N: 217744-72K</td><td>HM: 770.5</td></tr></table> <p>Removed turbo charger pn 407810-9001 sn KGR00013. Installed overhauled turbo charger pn 407810-9001 sn H-WJR00064. Turbo was overhauled by Hartzell Engine Technologies FAA CRS PQ1383CE=D on work order M762970 dated 09 Oct 2019. Ground ran engine, turbo operation normal, aircraft makes full takeoff power and no leaks noted.</p> <p><i>CR Hopper</i> Charles R. Hopper AP 3564582</p>	Left Engine Maintenance Entry	N28913	March 13, 2020	Continental TS/O-520-NB	S/N: 217744-72K	HM: 770.5
Left Engine Maintenance Entry	N28913	March 13, 2020								
Continental TS/O-520-NB	S/N: 217744-72K	HM: 770.5								

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User/Installer Res

It is important to understand that the existence of this document alone does not automatically constitute authori  
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority  
user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from th  
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance rec  
the user/installer before the aircraft may be flown.

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Left Engine Maintenance Entry  
Continental TSIO-520-NB

N28913

April 3, 2020

S/N: 217744-72K

HM: 771.1

Installed overhauled wastegate pn 470908-9012 sn THR0222. Unit overhauled by RAM Aircraft  
FAA CRS VA1R551K on work order 018292 dated 10 Mar 2020. Adjusted pressure controller per  
Cessna 340 maintenance manual. Ran aircraft, operation normal and no leaks noted.

  
Charles R. Hopper  
AP 3564582

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Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

Left Engine Maintenance Entry N28913  
Continental TSIO-420-NB S/N: 217744-72K

December 14, 2020  
HM: 818.6 TSO 666.9


Maintenance Actions

- 1) Performed 100 hr/annual inspection/maintenance in accordance with Cessna 340/340A service manual checklist.
- 2) Performed compression test. Results as follows: 1) 75/80, 2) 66/80, 3) 73/80, 4) 70/80, 5) 72/80, 6) 70/80.
- 3) Drained engine oil. Removed and inspected oil filter, no metal noted. Installed a new CH48109-1 oil filter and saftied. Serviced sump with 12 quarts Phillips XC 20W50 oil.

AD Compliance

- 1) Complied with AD 2000-01-16, Amendment 39-11514, para (b), (c), (d), (e), by inspection of Exhaust System, no defects noted at this time.

Performed Annual Inspection in accordance with 14 CFR 43 App D. Performed ground run and operational checks. No defects noted at this time.  
This engine has been inspected in accordance an ANNUAL INSPECTION and was determined to be in an airworthy condition.

  
Charles R. Hopper  
AP/IA 3564582



Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358

Left Engine Maintenance Entry: N28913  
Continental TSIO-520-NB S/N: 217744-17K

December 12, 2019  
HM: 758.5 TSO 606.8

Maintenance Actions


- 1) Performed 100 hr/annual inspection/maintenance in accordance with Cessna 340/340A service manual checklist.
- 2) Performed compression test. Results as follows: 1) 79/80, 2) 57/80, 3) 70/80, 4) 72/80, 5) 79/80, 6) 73/80.
- 3) Drained engine oil. Removed and inspected oil filter, no metal noted. Installed a new CH48109-1 oil filter and saftied. Serviced sump with 12 quarts Phillips XC 20W50 oil.
- 1) Removed left engine left magneto for repair. Reinstalled after repair by Aircraft Accessories of Oklahoma FAA CRS RV3R928L on work order 36412 dated 09 Dec 2019.
- 2) Replaced #2 cylinder induction pipe gasket.

Work accomplished by: David C. Entrekin, Charles R. Hopper, and Lawrence D. Zavoina.

AD Compliance

- 1) Complied with AD 2000-01-16, Amendment 39-11514, para (b), (c), (d), (e), by inspection of Exhaust System, no defects noted at this time.

Performed Annual Inspection in accordance with 14 CFR 43 App D. Performed ground run and operational checks. No defects noted at this time.  
This engine has been inspected in accordance an ANNUAL INSPECTION and was determined to be in an airworthy condition.

  
Lawrence D. Zavoina AP/IA 250965638



Charles R Taylor A&P 3734996 IA



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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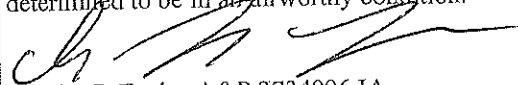
Madison Air, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-1960

Engine Maintenance Entry N28913 5/6/24 LEFT  
TCM TSIO-520-NB S/N: 217744-72K HOBBS:903.5 TSO: 751.8

Performed engine compression test 1) 62/80 2) 70/80 3) 56/80 4) 74/80 5) 70/80 6) 71/80. Verified magneto timing. Cleaned gapped and inspected spark plugs. Replaced 2ea URHB32E spark plugs. Drained engine oil and inspected oil filter. Filter OK collected oil sample. Installed new CH48109-1 filter and serviced engine with 11qts Philips X/C 20W-50 both engines. Removed cleaned inspected fuel injectors. Reinstalled with new seals and o-rings. Perform pressure leak test on exhaust. OPS check all engine controls.

Performed Annual Inspection in accordance with TCM 520 series Service Manual. Performed ground run and operational checks. No defects noted at this time.

I certify this Engine has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

  
Charles R Taylor A&P 3734996 IA
