

 TELEDYNE CONTINENTAL



Gold Medallion Aircraft Engine

USE ONLY
FUEL
CONFORMING
TO ASTM D910.

USE OF AUTOMOTIVE
GAS IS NOT
APPROVED.

REBUILT ENGINE LOG

N4766M

AIRCRAFT N NUMBER

IO-520.1336B

ENGINE MODEL NUMBER

813934-R

ENGINE SERIAL NUMBER

ENGINE LOG

LICENSE
NUMBER

DATE



Office (501) 927-1665
Fax (501) 927-3168

1200 Old Missouri Road
Springdale, AR 72765

7-3-02 Tach. 846.4, TSFR 283.9 N4766M Engine Log Entry

Performed 100 Hr/Annual inspection I/A/W FAR 43 App. D and Beech A36 maintenance manual. Drained oil and inspected filter. Compression Test Results: #1 74/80, #2 67/80, #3 75/80, #4 74/80, #5 66/80, #6 77/80. Cleaned, gapped, tested and rotated all spark plugs. Cleaned fuel screen. Magneto timing checked OK. Serviced engine W/11 Qts. Aeroshell W100 and CH48109 Filter. Performed run up and leak check OK. Adjusted engine idle and mixture setting I/A/W IO-520 maintenance manual. Replaced #3 cylinder head gasket temp. probe W/new JP Instruments P/N M-113, operational check OK. Checked ADs through revision 2002-13F dated 6-24-02. See AD listing in aircraft records. See details of this inspection on invoice # 575. I certify that this Engine was inspected I/A/W a 100 hr. inspection and was determined to be in Airworthy Condition.

William D. Dorothy A&P 481620816 IA

30

BROUGHT

ENGINE LOG

CENSE UMBER	DATE	Pinnacle Air 802 Airport Rd. Springdale AR (479) 751-4462 8-3-03 Tach. 894.5 TSFR 332.0 <u>N4766M Engine Log Entry</u>	SIGNATURE	LICENSE NUMBER
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Performed 100 Hr/Annual inspection I/A/W FAR 43 App. D and Beech A36 maintenance manual.
 Drained oil and inspected filter. Compression Test Results: #1 70/80, #2 55/80 rings, #3 72/80, #4
 62/80 rings, #5 72/80, #6 72/80. Cleaned, gapped, tested and rotated all spark plugs. Cleaned fuel
 screen. Magneto timing checked OK. Cleaned all fuel injector nozzles. Serviced engine W/11 Qts.
 Aeroshell W100 and CH48109 Filter. Performed run up and leak check OK. Checked ADs through
 revision dated 8-4-03. See AD listing in aircraft records. I certify that this Engine was inspected
 I/A/W a 100 hr. inspection and was determined to be in Airworthy Condition.

William D. Dorothy

William D. Dorothy A&P 481620816 IA

BROUGHT FORWARD								
TOTALS								

ENGINE LOG

Pinnacle Air 802 Airport Rd. Springdale AR (479) 751-4462

DATE

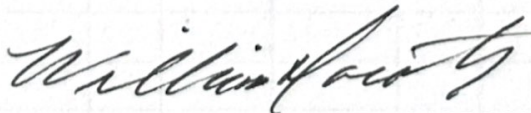
9-2-04 Tach. 949.8 TSFR 387.3

N4766M Engine Log Entry

RE

LICENSE
NUMBER

- Performed 100 Hour Inspection I/A/W FAR 43 App. D and Beech A36 maintenance manual.
- Drained oil and inspected filter. Compression Test Results: #1 64/80, #2 60/80 rings, #3 55/80 rings, #4 65/80 rings, #5 70/80, #6 60/80 rings.
- Cleaned, gapped, tested and rotated all spark plugs.
- Cleaned fuel screen.
- Magneto timing checked OK.
- Serviced engine W/11 Qts. Aeroshell W100 and CH48109 Filter.
- Performed run up and leak check OK.
- Checked ADs through ATP revision dated 9-30-04. See AD listing in aircraft records.
- I certify that this Engine was inspected I/A/W a 100 hour. inspection and was determined to be in Airworthy Condition.



William D. Dorothy A&P 481620816 IA

BROUGHT FORWARD

TOTALS

ENGINE LOG

Pinnacle Air 802 Airport Rd. Springdale AR (479) 751-4462

DATE

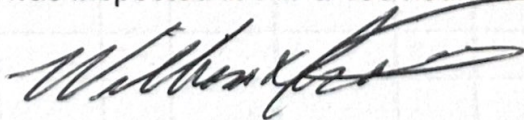
10-5-2005 Tach. 999.0 TSFR 436.5

N4766M Engine Log Entry

JRE

LICENSE
NUMBER

- Performed 100 Hour Inspection I/A/W FAR 43 App. D all work was performed I/A/W Beech A36 maintenance manual.
- Drained oil and inspected filter. Compression Test Results: #1. 52/80 rings, #2. 62/80 rings, #3. 64/80 rings, #4. 54/80 rings, #5. 70/80, #6. 55/80 rings. Calibrated orifice tool allows 48/80 leakage by the rings.
- Cleaned, gapped, tested and rotated all spark plugs.
- Cleaned fuel screen.
- Magneto timing checked OK.
- Serviced engine W/11 Qts. Aeroshell W80 and CH48109 Filter.
- Performed run up and leak check OK.
- Checked ADs through ATP revision dated Sept. 23, 2005. See AD listing in aircraft records.
- I certify that this Engine was inspected I/A/W a 100 hour. inspection and was determined to be in Airworthy Condition.



William D. Dorothy A&P 481620816 IA

BROUGHT FORWARD

TOTALS

ENGINE LOG

DATE

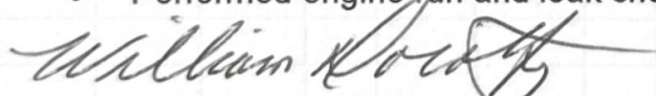
Pinnacle Air 802 Airport Rd. Springdale AR (479) 751-4462

LICENSE
NUMBER

4-12-2006 Tach. 1023.1 TSFR 460.6

N4766M Engine Log Entry

- Drained oil and inspected filter, no contaminates noted.
- Serviced W/11 quarts Aeroshell W100 oil and new AA48109 filter.
- Removed all spark plugs, cleaned, checked gap, tested and reinstalled.
- Removed all fuel nozzles, cleaned, and reinstalled. Leak checked good.
- Performed engine run and leak checked good.



William D. Dorothy A&P 481620816 IA

BROUGHT FORWARD

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Pinnacle Air 802 Airport Rd. Springdale AR (479) 751-4462

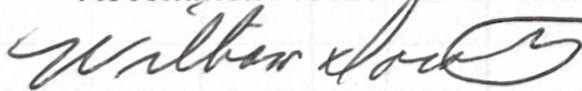
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LICENSE
NUMBER

4-22-06 Tach. 1023.7 TSFR 461.5

N4766M Engine Log Entry

- C/W SB97-3, fuel system fuel pressure check. Un-metered high fuel pressure range should be 28 to 31 PSI. At first check un-metered high fuel pressure was at 25 PSI. After adjustments, un-metered high fuel pressure is now at 29.5 PSI.
- C/W SB 30-3, cylinder compression test and bore scope inspection due to suspected low compression on # 2 cylinder. Bore scope results indicated no major abnormalities. Compression test results are as follows: #1 64/80, #2 55/80, #3 65/80, #4 64/80, #5 70/80, #6 62/80, most of the leakage is by the piston rings and some by the exhaust valve an all the cylinders. Recommend recheck in 25 hours of operation.



William D. Dorothy A&P 481620816 IA

5-15-06	TACH	1031.5	Replaced all 12 spark plugs w/ new Champion RW R4B32\$. Performed Engine Run. Mags checked Good	William Dorothy, 481620816 IA
BROUGHT FORWARD				
TOTALS				

ENGINE LOG

N4766M engine 10/20/08

TIME IN

TSFR: 522.6

DATE

Performed 100 hr. Inspection IAW Beech A36 Maintenance Manual and instructions for continued airworthiness.

REPAIRS - ADJUSTMENTS

SIGNATURE

LICENSE NUMBER

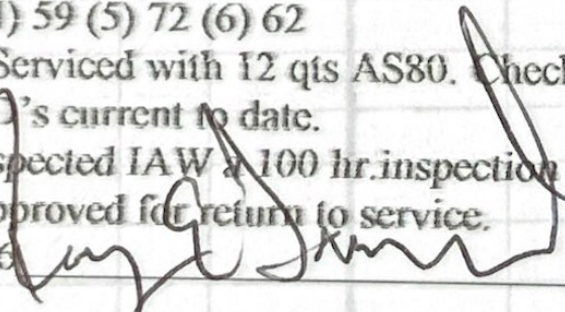
Compressions: 1) 51 (2) 62 (3) 71 (4) 59 (5) 72 (6) 62

Changed oil and filter CH48109-1. Serviced with 12 qts AS80. Checked filter for contaminants.

No abnormalities noted. Checked AD's current to date.

I certify that this engine has been inspected IAW a 100 hr. inspection and has been determined to be airworthy and is approved for return to service.

Ricky E. Townsend AP/IA488843646



N4766M engine 6/6/11

Tach: 1098

TSFR: 535.6

Performed 100 hr Inspection IAW FAR 43(d) and mfg. Checklist. All work performed IAW Beech A36 Maintenance Manual.

Changed oil and filter CH48109-1. Serviced with 12 qts AS100. Inspected filter and determined no contaminants. Compressions: 1) 70 2) 60 3) 65 4) 65 5) 70 6) 78

Cleaned plugs and fuel screen. Checked mag timing and performed run up and leak check.

AD2009-16-03 SAP cylinders N/A per cylinder mfg

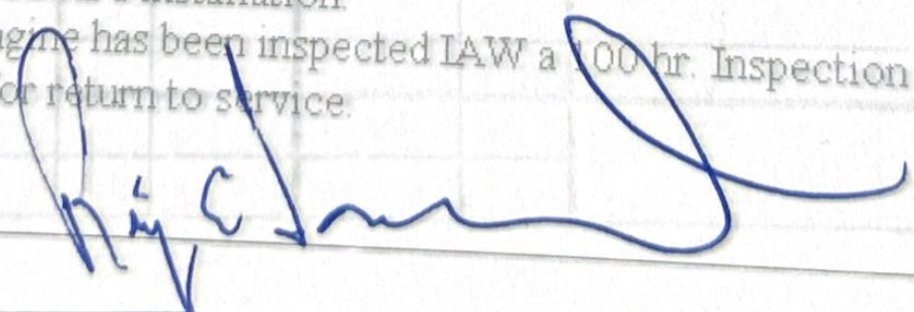
AD2009-19-07 EQ3 cylinders N/A per P/N

AD2010-11-04 hydraulic lifters N/A per replacement date

AD2010-13-01 prop governors N/A per Woodward installation.



All AD's current to date. I certify that this engine has been inspected IAW a 100 hr. Inspection and is determined to be airworthy and is approved for return to service.

Ricky E. Townsend AP488843646IA



ENGINE LOG



DATE

	Engine Logbook Entry	IO-520-BB6B	
	Decatur Jet Center	4-Jul-12	
	351 Airport RD Box 2	1196.8 Tach	
	Decatur, TX 76234	TSFR 634.3	

LICENSE NUMBER

(Engine S/N: 813934-R)---- Cylinder compression test results #1-70/80, #2-70/80, #3-72/80, #4-68/80, #5-73/80, #6-72/80. ----- Cleaned, gapped and rotated spark plugs. ----- Cleaned and leak checked fuel screen. ---- All applicable AD s complied with to date. See AD logs for details. ----I certify that this Engine has been inspected in accordance with an Annual inspection within the scope of FAR 43 Appendix D and was found to be in an airworthy condition. End.

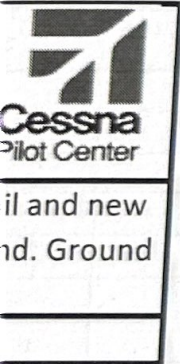
Michael R Humphrey I.A. 3201695 A&P *Michael R Humphrey*

	Engine Logbook Entry	N4766M	
	Decatur Jet Center	31-Jul-12	
	351 Airport RD Box 2	Tach 1214.1	
	Decatur, TX 76234	TSFR 634.4 MK 651.6	

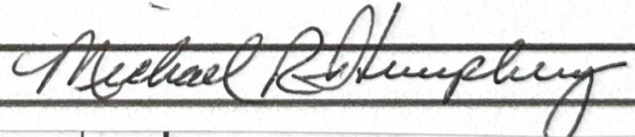
(Engine S/N: 813934-R) Drained oil from engine and serviced with 12 quarts of Aeroshell 15W-50 oil and new Champion CH48109-1 oil filter. Collected oil sample for analysis. Opened used oil filter and inspected element. No metal found. Ground run engine. Ops and leak checked ok. End.

Michael R Humphrey I.A. 3201695 A&P *Michael R Humphrey*

BROUGHT F



ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
			Engine Logbook Entry						IO-520-BB				
			<i>MRH Aero Mechanix</i>						6-Oct-14				
			<i>1496 Thousand Oaks Drive</i>						Tach 1435.9				
			<i>Decatur, TX 76234</i>						TSOH 0873.4				
<p>(Engine S/N: 813934-R) ----- Drained engine oil and serviced with 11 qts of Aeroshell 15W-50 oil. Replaced engine oil filter with new Champion CH48109-1 filter. Ground run engine, leak checked ok. --- -- Serviced and rotated spark plugs ----- Performed compression test of cylinders #1-69/80, #2-64/80, #3-63/80, #4-62/80, #5-71/80, #6-74/80. ----- All applicable AD's complied with to date. See AD compliance record for details ----- I certify that this Engine has been inspected in accordance with an Annual inspection within the scope and detail of FAR part 43 Appendix D and was found to be in an airworthy condition. End.</p>													
Michael R Humphrey A&P 3201695 I.A.													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

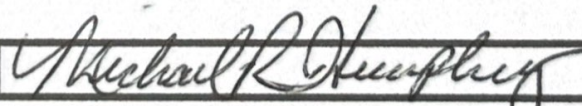
DATE



LICENSE
NUMBER

	Engine Logbook Entry	IO-520-BB	
	MRH Aero Mechanix	24-Nov-15	
	1496 Thousand Oaks Drive	Tach 1519.3	
	Decatur, TX 76234	TSOH 0956.8	

(Engine S/N: 813934-R) ----- Performed compression test of cylinders #1-76/80, #2-69/80, #3-72/80, #4-74/80, #5-72/80, #6-75/80. ----- All applicable AD's complied with to date. See current AD compliance record for details ----- **I certify that this Engine has been inspected in accordance with an Annual inspection within the scope and detail of FAR part 43 Appendix D and was found to be in an airworthy condition. End.**

Michael R Humphrey A&P 3201695 I.A.



	Engine Logbook Entry	IO-520-BB	
	Decatur Jet Center	17-Nov-15	
	351 Airport RD Box 2	Tach 1515.1	
	Decatur, TX 76234	TSOH 1515.1	

Registartion N4766M (Engine S/N 813934R)---- Drained engine oil and removed engine oil filter. Serviced with 12 qts. Aeroshell 15W50 and a new Champion CH48109-1 Filter. Torqued oil filter to 18 ft. lbs. and saftied. All work accomplished according to Beechcraft Bonanza maintenance manual. Leak check good. Ops check good. END

Christopher K. Muchow A&P 3807223



BROUGHT F
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ENGINE LOG

LICENSE
NUMBER

DATE

Group



Engine Logbook Entry

Decatur Jet Center
351 Airport RD Box 2
Decatur, TX 76234

IO-520-BB

9-Mar-16

Tach: 1542.2

TSOH ~~1542.2~~



LICENSE
NUMBER

Registartion N4766M (Engine S/N 813934R)---- Drained engine oil and removed engine oil filter. Serviced with 12 qts. Aeroshell 15W50 and a new Champion CH48109-1 Filter. Torqued oil filter to 18 ft. lbs. and saftied. All work accomplished according to Beechcraft Bonanza maintenance manual. Leak check good. Ops check good. END

Christopher K. Muchow A&P 3807223

Chris Muchow

BROUGHT FORWARD

TOTALS

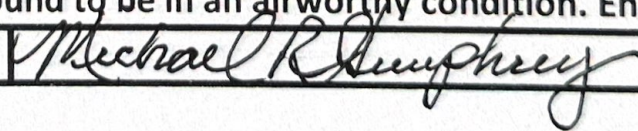
ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

	Engine Logbook Entry	IO-520-BB
	MRH Aero Mechanix	22-Jun-17
	1496 Thousand Oaks Drive	Tach 1604.7
	Decatur, TX 76234	TSOH 1042.2

(Engine S/N: 813934-R) (Engine TT: 1042.2) ----- Drained engine oil. Serviced with 12 qts Aeroshell 15W-50. Replaced oil filter with new Champion CH48109-1. Opened removed oil filter and inspected element for contaminants. None found. Ground run engine for leak check ----- Performed borescope inspection and compression test of cylinders in accordance with TCM SB03-3. #1-65/80, #2-70/80, #3-70/80, #4-68/80, #5-66/80, #6-70/80. ----- Cleaned, gapped and rotated spark plugs ----- CW AD 84-26-02 by replacement of engine induction paper element air filter. Recurring action due 500 hours. All other applicable AD's complied with to date. See current AD compliance record for details ----- **I certify that this Engine has been inspected in accordance with an Annual inspection within the scope and detail of FAR part 43 Appendix D and was found to be in an airworthy condition. End.**

Michael R Humphrey A&P 3201695 I.A.



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ENGINE LOG

DATE

TIME ON

TIME IN

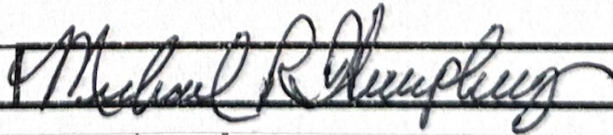
LICENSE
NUMBER

Engine Logbook Entry	IO-520-BB
MRH Aero Mechanix	26-Sep-21
1496 Thousand Oaks Drive	Tach 1647.9
Decatur, TX 76234	TSOH 1085.4

(Engine S/N:813934-R) ----- Drained engine oil and serviced with Aeroshell 15W-50. Replaced engine oil filter with new Champion CH48109-1 filter. Opened removed filter for inspection of element for any evidence of metal. No metal detected. Ground run engine, functional and leak checked ok ----- Checked compressions of cylinders #1-72, #2-70/80, #3-72/80, #4-72/80, #5-68/80, #6-72/80. Checked internal areas of cylinders with borescope in accordance with TCM SB03-3. No internal defects noted at this time ----- Replaced all spark plugs with new Tempest spark plugs (p/n: URHB32E) ----- Replaced electrical ring terminal on left magneto "P" lead wire ----- Replaced engine induction paper air filter with new Brackett Air Filter Assembly (p/n: BA-7210). AD 84-26-02 Paper Air Filter Replacment no longer applicable. ----- All applicable ADs complied with to date. See current ATP AD compliance record for details ----- I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspections per applicable sections of FAR part 43 Appendix D and was found to be in an airworthy condition. End.

BROUGHT

Michael R. Humphrey A&P 3201695 IA



ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

Engine Logbook Entry	IO-520-BB
<i>MRH Aero Mechanix</i>	1-Jun-24
<i>1496 Thousand Oaks Drive</i>	Tach 1668.8
<i>Decatur, TX 76234</i>	TSOH 1101.2

(Engine S/N:813934-R) ----- Drained engine oil and serviced with Aeroshell 15W-50. Replaced engine oil filter with new Tempest AA48109-2 filter. Opened removed filter for inspection of element for any evidence of metal. No metal detected. Ground run engine, functional and leak checked ok -----

Checked compressions of cylinders #1-68, #2-68/80, #3-67/80, #4-67/80, #5-72/80, #6-73/80.

Checked internal areas of cylinders with borescope in accordance with TCM SB03-3. No internal defects noted at this time. ----- Replaced engine induction air filter element (p/n: BA-7112). ----- All applicable ADs complied with to date. See current ATP AD compliance record for details ----- I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspections per applicable sections of FAR part 43 Appendix D and was found to be in an airworthy condition. End.

Michael R. Humphrey A&P 3201695 IA



TOTALS

Aircraft no
 FAR part 43 Appen
 Michael R. Humphrey A&P 3201

PM
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	Engine Logbook Entry	IO-520-BB	N4766M
	MRH Aero Mechanix	15-Oct-25	
	1496 Thousand Oaks Drive	Tach 1667.1	
	Decatur, TX 76234	TSOH 1104.5	

(Engine S/N:813934-R) ----- Replaced engine oil filter with new Tempest AA48109-2 filter. Opened removed filter for inspection of element for any evidence of metal. No metal detected. Ground run engine, functional and leak checked ok ----- Checked compressions of cylinders #1-70/80, #2-62/80, #3-71/80, #4-76/80, #5-72/80, #6-70/80. Compression gauge master oriface 47/80. Checked internal areas of cylinders with borescope in accordance with TCM SB03-3. No internal defects noted at this time. ----- Replaced engine induction air filter element (p/n: BA-7112) ----- All applicable ADs complied with to date. See current ATP AD compliance record for details ----- I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspections per applicable sections of FAR part 43 Appendix D and was found to be in an airworthy condition. End.

Michael R. Humphrey A&P 3201695 IA

Michael R. Humphrey

Description
 The FAA is Issuing
 Checks and Thickne
 Unsafe Condition,
 from Releasing When
 ed, Which Could Result
 eing Able to Release the
 Buckle Handle.
 Could Prevent a
 the Buckle is
 Occupants
 cont'd
 Does
 Hardware
 The
 Servo. The
 if Not Addressed
 Commanded
 and

Compliance	Recur	Next Due	Facility
N/A affected Pacific Scientific Company rotary buckle assemblies (buckles are not installed on this airplane.	No	D: -- Hrs: -- C: --	Cert No. / Type Authorized By Signed MRH A
10/15/2025 Hrs: 1667.1 C: --			
10/15/2025 Hrs: 1667.1 C: --			

66M