

ENGINE LOG BOOK



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

01 November 2014 N23VV AC Tach: 1450.8

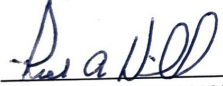
Engine Mfg: CMI
 Engine Model: IO-520-BB S/N 1010769
 Engine Total Time: 0.0

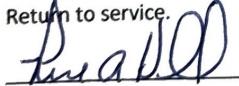
Installed This Engine S/N 1010768 In Beechcraft Bonanza N23VV S/N CE-1490 using new Mounts, Bolts and Hardware as required. Installed the following serviceable accessories from previous engine: Vacuum Pump (569.6 TIS, Alternator (59.7 SOH) Overhauled Governor (1450.8 TIS 0.00 SOH), Exhaust, Tanis Engine Heater System, JP Instruments Probes and Harness, Shadin Fuel Flow Transducer I/A/W STC SE443GL. Installed D'Shannon Cooling Air Baffles I/A/W Airframe STC# SA368CH. Filled oil sump with 12 Qts Phillips 20W-50 Type M oil.

Inspected engine in accordance with FAR 43 App. D(d)(1-11). Checked Magneto Timing and adjusted to 22" BTC.. Checked Fuel Flows, adjusted Idle RPM and Max RPM. Lubricated engine controls and checked security and rigging. **AD 14-05-29 N/A (No Superior Investment Cast Cylinder Assemblies Installed)**. AD's checked through 2014-22 for applicability.

Ground operational checks for leaks and performance satisfactory for return to service.

I certify that this engine was inspected in accordance with an Annual Inspection and found in airworthy condition.


 Rick A. Hill, A&P2796123/IA

24 November 2014 N23VV Engine S/N 1010769 AC Tach: 1464.2 Engine Total Time: 13.4					
Drained oil and removed oil filter. Inspected filter for foreign particles. Installed new Champion CH48109-1 Oil Filter. Filled oil sump with 11 Qts. Phillips 20W-50 Type M oil. Ground operation for leaks satisfactory for Return to service.					
 Rick A. Hill, A&P2796123					

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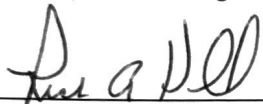
01 January 2016 N23VV AC Tach: 1531.2

Engine Mfg: CMI
 Engine Model: IO-520-BB S/N 1010769
 Engine Total Time: 80.4

Inspected engine in accordance with FAR 43 App. D (d)(1-11). Removed Spark Plugs. Compressions checked at #1 72/80 #2 72/80 #3 75/80 #4 74/80 #5 74/80 #6 74/80. Checked Magneto Timing. Cleaned, gapped and re-installed Spark Plugs. Lubricated engine controls and checked security and rigging. AD's checked through 2015-26 for applicability.

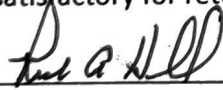
Ground operational checks for leaks and performance satisfactory for return to service.

I certify that this engine was inspected in accordance with an Annual Inspection and found in airworthy condition.


 Rick A. Hill, A&P2796123/IA

16 June 2016 N23VV TCM IO-520-BB S/N 1010769
 AC Tach: 1544.3 Engine Total Time: 93.5

Drained oil and removed oil filter. Inspected filter for foreign particles. Installed new Champion CH48109-1 oil filter and 11 quarts Phillips 20W-50 X-C Engine Oil and one Pint CamGuard Lubricant. Ground operational inspection for leaks satisfactory for return to service.


 Rick A. Hill, A&P2796123

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

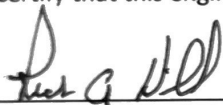
01 February 2017 N23VV AC Tach: 1582.2

Engine Mfg: CMI
 Engine Model: IO-520-BB S/N 1010769
 Engine Total Time: 131.4

Inspected engine in accordance with FAR 43 App. D (d)(1-11). Removed Spark Plugs. Compressions checked at #1 74/80 #2 72/80 #3 74/80 #4 74/80 #5 76/80 #6 75/80. Checked Magneto Timing. Cleaned, gapped and re-installed Spark Plugs. Drained Oil and removed Oil Filter. Inspected Oil Filter for foreign particles. Installed new Champion Ch48109-2 Filter and 11 Quarts Phillips 20W-50 X/C Oil and 1 Pint CamGuard. Lubricated engine controls and checked security and rigging. AD's checked through 2017-02 for applicability.

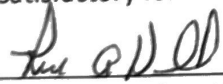
Ground operational checks for leaks and performance satisfactory for return to service.

I certify that this engine was inspected in accordance with an Annual Inspection and found in airworthy condition.


 Rick A. Hill, A&P2796123/IA

05 October 2017 N23VV TCM IO-520-BB S/N 1010769
 AC Tach: 1614.5 Engine Total Time: 163.7

Drained oil and removed oil filter. Inspected filter for foreign particles. Installed new Champion CH48109-1 oil filter and 11 quarts Phillips 20W-50 X-C Engine Oil and One Pint CamGuard Lubricant. Ground operational inspection for leaks satisfactory for return to service.


 Rick A. Hill, A&P2796123

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	Hours	Min	Hours	Min	

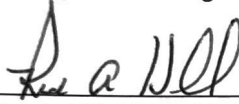
15 April 2018 N23VV AC Tach: 1632.3

Engine Mfg: CMI
 Engine Model: IO-520-BB S/N 1010769
 Engine Total Time: 181.5

Inspected engine in accordance with FAR 43 App. D (d)(1-11). Removed Spark Plugs. Compressions checked at #1 76/80 #2 74/80 #3 74/80 #4 73/80 #5 74/80 #6 73/80. Checked Magneto Timing. Reinstalled Spark Plugs. Removed Engine Oil filter and Inspected for foreign particles. Installed new Champion Ch48109-1 Oil Filter. Lubricated engine controls and checked security and rigging. AD's checked through 2018-10 for applicability.

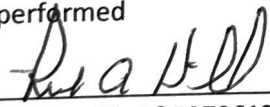
Ground operational checks for leaks and performance satisfactory for return to service.

I certify that this engine was inspected in accordance with a 100 Hour Inspection and found in airworthy condition.


 Rick A. Hill, A&P2796123/IA

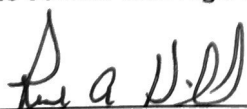
15 July 2018 N23VV TCM IO-520-BB S/N 1010769
 AC Tach: 1641.1 Engine Total Time: 190.3

Drained oil and removed oil filter. Inspected filter for foreign particles. Installed new Champion CH48109-1 oil filter and 11 quarts Phillips 20W-50 X-C Engine Oil and one Pint CamGuard Lubricant. Cleaned Gapped and Rotated Spark Plugs. Removed, cleaned and reinstalled Fuel Injector Nozzles. Ground operational inspection for leaks satisfactory for return to service with regards to the work performed


 Rick A. Hill, A&P2796123

07 April 2019 N23VV TCM IO-520-BB S/N 1010769
 AC Tach: 1664.2 Engine Total Time: 213.4

Removed Right Magneto P/N S6RN-1225 (BL-349350-5) S/N F14GA418R due to mis-firing. Re-installed after repair and 500 HR inspection by Crossfire Magneto Service. Installed all New Unison UHRB-32E Spark Plugs. Ground Operational Checks satisfactory for Return to Service with regards to work performed.


 Rick A. Hill, A&P2796123

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

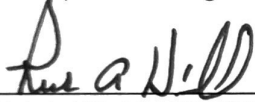
20 June 2019 N23VV AC Tach: 1664.9

Engine Mfg: CMI
 Engine Model: IO-520-BB S/N 1010769
 Engine Total Time: 214.1

Inspected engine in accordance with FAR 43 App. D (d)(1-11). Removed Spark Plugs. Compressions checked at #1 72/80 #2 72/80 #3 74/80 #4 72/80 #5 74/80 #6 72/80. Checked Magneto Timing. Re-installed Spark Plugs. Drained Engine Oil and removed Oil Filter. Inspected Oil Filter for foreign particles. Installed new Tempest AA48109 Oil Filter. Filled Engine Oil Sump with 11 Quarts Phillips 20W-50 X/C Oil and 1 Pint CamGuard. Lubricated engine controls and checked security and rigging. AD's checked through 2019-12 for applicability.

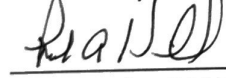
Ground operational checks for leaks and performance satisfactory for return to service.

I certify that this engine was inspected in accordance with a 100 Hour Inspection and found in airworthy condition.


 Rick A. Hill, A&P2796123/IA

23 February 2020 N23VV TCM IO-520-BB S/N 1010769
 AC Tach: 1692.9 Engine Total Time: 242.1

Drained oil and removed oil filter. Inspected filter for foreign particles. Installed new Tempest AA48109 oil filter and 11 quarts Phillips 20W-50 X-C Engine Oil and one Pint CamGuard Lubricant. Ground operational inspection for leaks satisfactory for return to service.


 Rick A. Hill, A&P2796123

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					

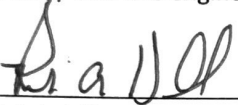
03 August 2020 N23VV AC Tach: 1708.9

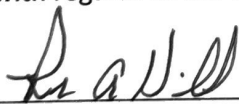
Engine Mfg: CMI
 Engine Model: IO-520-BB S/N 1010769
 Engine Total Time: 258.1

Inspected engine in accordance with FAR 43 App. D (d)(1-11). Removed Spark Plugs. Compressions checked at #1 76/80 #2 74/80 #3 72/80 #4 72/80 #5 74/80 #6 72/80. Checked Magneto Timing and adjusted Right Magneto. Cleaned, Gapped and Re-installed Spark Plugs. Installed New Right Exhaust Muffler/Heat Exchanger with new Aerospace Welding Model A-701-19 Assembly (FAA-PMA'd). Lubricated engine controls and checked security and rigging. AD's checked through 2020-14 for applicability.

Ground operational checks for leaks and performance satisfactory for return to service.

I certify that this engine was inspected in accordance with a 100 Hour Inspection and found in airworthy condition.


 Rick A. Hill, A&P2796123/IA

26 February 2021 N23VV TCM IO-520-BB S/N 1010769					
AC Tach: 1723.2 Engine Total Time: 272.4					
Drained oil and removed Oil Filter. Inspected Filter for Foreign Particles. Installed new Tempest AA48109 Oil Filter and 11 Quarts Phillips 20W-50 X/C Engine Oil with one Pint CamGuard Lubricant. Ground checks for leaks satisfactory for return to service with regards to the work performed.					
					
Rick A Hill, A&P2796123					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					

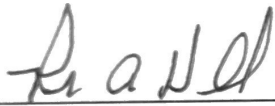
01 August 2021 N23VV AC Tach: 1740.3

Engine Mfg: CMI
 Engine Model: IO-520-BB S/N 1010769
 Engine Total Time: 289.5

Inspected engine in accordance with FAR 43 App. D (d)(1-11). Removed Spark Plugs. Compressions checked at #1 74/80 #2 72/80 #3 75/80 #4 72/80 #5 74/80 #6 74/80. Checked Magneto Timing. Cleaned, Gapped and Re-installed Spark Plugs. Drained oil and removed oil filter. Inspected filter for foreign particles. Installed new Tempest AA48109 oil filter. Installed 11 quarts Phillips 20W-50 X/C oil and one Pint Cam Guard Lubricant to oil sump. Lubricated engine controls and checked security and rigging. AD's checked through 2021-15 for applicability.

Ground operational checks for leaks and performance satisfactory for return to service.

I certify that this engine was inspected in accordance with a 100 Hour/Annual Inspection and found in airworthy condition.



 Rick A. Hill, A&P2796123/IA



651 Airport Rd Belle Vernon, PA 15012


September 2, 2022 Continental IO520BB(64) S/N - 1010769 TSFRM - 322.0 hrs Tach - 1772.8 hrs

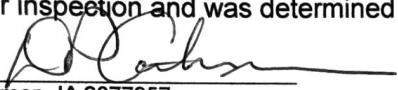
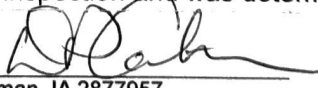
Repaired chafed #6 lower spark plug lead. Performed compression check cold: #1-75/80, #2-68/80, #3-75/80, #4-65/80, #5-73/80, #6-68/80. Checked operation of all engine controls. See AD section of logs for AD compliance. I certify that this engine has been inspected in accordance with the requirements of the annual inspection, and was determined to be in an airworthy condition.

Robert Galet, A&P 3408288 IA 

28 March 2023 N23VV TCM IO-520-BB S/N 1010769
 AC Tach: 1786.7 Engine Total Time: 335.9

Drained oil and removed oil filter. Inspected filter for foreign particles. Installed new Tempest AA48109 oil filter and 11 quarts Phillips 20W-50 X/C Engine Oil with one Pint CamGuard Lubricant. Ground checks for leaks satisfactory for return to service with regards to the work performed.


 Chris D Engebretson

Date	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record Flightcare 3145 N, 100 West Shelbyville IN 46176 317.392.1408
Carried forward	tach: 1794 Date: 10-25-2023	TT Eng: 344 STOH: n/a	ding engine part removal and ections, Airworthiness Directives, Service Bulletins SMOH: n/a
	<p>inspected this engine in accordance with a 100 hour inspection. compression check: 1;7280, 2;70/80, 3;70/80, 4;70/80, 5;73/80, 6;72/80. boroscoped all cylinders i/a/w TCM SB 03-3 (all indications show normal conditions). checked and cleaned all spark plugs. checked magneto timing. replaced alternator with o/h 646843, serial # A308911.0 by aerotech under wo # 147453. installed original gear and tested per TCM SB 11-3 using new gasket and locking hardware. c/w TCM SB 94-8D, 95-2, 95-7, and 96-12. ad# 2022-16-03 (S1200 magneto is n/a by mag serial #). ad# 2023-02-12 (intake valve is n/a by date.) ad# 2023-05-16 (crankshaft is n/a by date). ad# 2023-09-09 (V-band coupling is n/a, not installed). performed the following ICA inspections: Dshannon baffles and engine area of EDM 700. ran and checked operation. ok. no leaks at this time.</p> <p>I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.</p> <p> D.P.Catherman IA 2877957</p>		
	Flightcare 3145 N, 100 West Shelbyville IN 46176 317.392.1408		
	tach: 1817 Date: 11-19-2024	TT Eng: 367 STOH: n/a	SMOH: n/a
	<p>inspected this engine in accordance with a 100 hour inspection. drained oil thru 1000 micron screen to c/w SB CSB07-01A. replaced oil filter, cut filter. no metals in screen or filter. serviced engine with Phillips 20W50 oil. compression check: 1;72/80, 2;71/80, 3;70/80, 4;72/80, 5;72/80, 6;71/80. boroscoped all cylinders i/a/w TCM SB 03-3 (all indications show normal wear conditions). checked and cleaned all spark plugs. checked magneto timing. cleaned all fuel screens. checkd and cleaned air filter. c/w TCM SB 94-8D, 95-2, 95-7 and 96-12. replaced main pressure pump inlet filter with new. ran and checked operation. ok. no leaks at this time.</p> <p>I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.</p> <p> D.P.Catherman IA 2877957</p>		

Flightcare
3145 N, 100 West
Shelbyville IN 46176
317.392.1408

tach: 1824 TT Eng: 374

SMOH: n/a

Date: 12-09-2025 STOH: n/a

inspected this engine in accordance with a 100 hour inspection. compression check : 1;76/80, 2;72/80, 3;74/80, 4;74/80, 5; 75/80, 6;73/80. boroscoped all cylinders per TCM SB 03-3. (all indications show normal wear conditions).

checked and cleaned air filter. checked magneto to engine timing. cleaned, gapped, and checked all spark plugs. c/w ICA of D'shannon baffles and engine area of EDM 700. no discrepancies at this time. replaced main instrument inlet filter with new. c/w with TCM SB 94-8D, 95-2, 95-7, and 96-12. ran and checked operation. ok. no leaks at this time.

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.


D.P.Catherman IA 2877957