

N5769X

1962 Cessna 320

Damage History Records

Aircraft S/N: 320-0069



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

INSPECTION RECORD

DATE

6 OCTOBER 2011 HOBBS: 1459.0
N5769X CESSNA 320 S/N 320-0069

CHANGED ENGINE OIL SEE ENGINE LOGS FOR DETAILS. COMPLIED WITH AD 2000-01-16, IAW PARA. (B) VISUAL INSPECTION, NEXT DUE BY HOBBS: 1509.0 OR 10-2012. SERVICED TIRES AND BRAKE MASTER CYLINDERS. SERVICED BATTERYS. GROUND RUN-UP FOR LEAK AND OPERATIONAL CHECK GOOD.

STEVEN R. JOHNSON A&P 585568445

AUGUST 2, 2012 HOBBS: 1469.5
N5769X CESSNA 320 S/N 320-0069

AFTT: 4392.0

THE AIRCRAFT WAS DISASSEMBLED FOLLOWING A GEAR UP LANDING. THE AIRFRAME WAS REASSEMBLED FOR REPAIR. THE WINGS, HORIZONTAL STABILIZER, VERTICAL STABILIZER, RUDDER AND ELEVATORS WERE INSTALLED USING NEW HARDWARE. ALL CONTROL SURFACES WERE RIGGED, CABLE TENSIONS SET AND TRAVELS CHECKED. THE LANDING GEAR WAS CHECKED FOR RIGGING AND OPERATED IN NORMAL AND EMERGENCY MODES WHILE ON JACKS WITH ALL FUNCTIONS SATISFACTORY. THE FLAPS WERE RIGGED AND TRAVELS CHECKED. ALL ELECTRICAL CONNECTIONS BETWEEN THE FUSELAGE AND THE WINGS AND TAIL WERE REPAIRED, RESTORED AND FUNCTION CHECKED. ALL FLUID LINES BETWEEN THE FUSELAGE AND WINGS WERE RESTORED AND FUNCTION CHECKED. THE BRAKE SYSTEMS WAS BLED AND SERVICED WITH 5606 FLUID. THE ENGINES WERE REMOVED FOR INSPECTION AND REINSTALLED (SEE ENGINE LOGBOOKS FOR DETAILS). THE PROPELLERS WERE REMOVED FOR OVERHAUL BY N.M. PROPELLER, CRS# N5PR141Y (SEE PROPELLER LOGBOOK FOR DETAILS) AND REINSTALLED. A J. P. INSTRUMENTS MODEL EDM-760 TWIN ENGINE ANALYZER WAS INSTALLED IAW WITH THE MANUFACTURES INSTALLATION MANUAL DATED 7/20/99 REV NC UNDER STC SA00729SE (SEE FAA FORM 337 DATED 8/28/2012). THE GEAR SWITCH WAS REMOVED AND REPLACED WITH A NEW MS25125-7 SWITCH. THE DME AND TRANSPONDER ANTENNAS WERE REMOVED AND REPLACED WITH NEW CI-105 ANTENNAS. THE COMM ANTENNA ON THE BELLY WAS REMOVED AND REPLACED WITH A NEW CI-122 ANTENNA. THE AILERON TRIM BOTTOM CABLE P/N 0860207-22 WAS REPLACED DUE TO FRAYING. ALL HEATING AND FRESH AIR HOSES WERE REMOVED AND REPLACED WITH NEW SCAT HOSE.

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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THE FOLLOWING REPAIRS WERE COMPLETED:

*THE LEFT BELLY SKIN P/N 0811250-77, THE BOTTOM FORWARD SKIN P/N 0813000-140 AND THE INSPECTION PLATE P/N 0813011-1 WERE REMOVED DUE TO DAMAGE AND WERE REPLACED WITH PARTS FABRICATED IAW THE AIRCRAFT STRUCTURAL REPAIR MANUAL AND AC 43-13 1B, USING THE FACTORY RIVET PATTERN AND NEW HARDWARE.

*THE LOWER LEFT AFT NOSE SKIN P/N 0813000-129, THE LOWER RIGHT AFT NOSE SKIN P/N 0811250-148 WERE REMOVED DUE TO DAMAGE AND REPLACED WITH NEW CESSNA SKINS IAW THE AIRCRAFT STRUCTURAL REPAIR MANUAL AND AC 43-13 1B, USING THE FACTORY RIVET PATTERN AND NEW HARDWARE.

*BOTH NLG DOORS P/N 0813300-1 & 0813300-2 WERE REMOVED DUE TO DAMAGE AND REPLACED WITH SERVICEABLE PARTS. REPAIRED BOTH CENTER HINGE ATTACH POINTS ON THE AIRFRAME WITH 2 NEW P/N 0813000-59 BRACKETS AND DOUBLERS. REMOVED AND REPLACED BOTH CENTER HINGES P/N 0843538-3 WITH NEW HINGES.

* BOTH MLG INBOARD DOORS WERE RESKINNED WITH FABRICATED SKINS IAW THE AIRCRAFT STRUCTURAL REPAIR MANUAL AND AC 43-13 1B, USING THE FACTORY RIVET PATTERN AND NEW HARDWARE.

* THE RH INBOARD FLAP P/N 0825000-2, THE LH INBOARD FLAP P/N0825000-1 AND THE LH OUTBOARD FLAP P/N 0825000-3 WERE REPLACED WITH SERVICEABLE REPAIRED FLAPS FROM PREFERRED AIRPARTS (SEE FAA FORM 337 DATED 7-31-03, 11-10-06 &12-29-11 FOR DETAILS).

* THE RH OUTBOARD FLAP WAS RESKINNED WITH A FABRICATED SKIN IAW THE AIRCRAFT STRUCTURAL REPAIR MANUAL AND AC 43-13 1B, USING THE FACTORY RIVET PATTERN AND NEW HARDWARE.

HB

INSPECTION RECORD

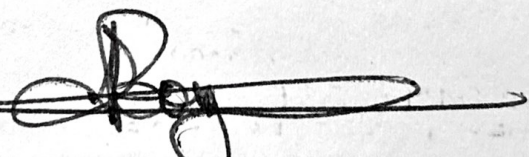
DATE

- * THE FLAP ACTUATING SYSTEM WAS REPAIRED BY REPLACING 3 BELLCRANKS (P/N 0862100-10, P/N 0862100-11 AND P/N 0862100-13) AND A FLAP BRACKET P/N 0822275-79.
- *THE BELLY BEACON WAS REMOVED AND REPLACED WITH A NEW FAA/PMA APPROVED WHELEN STROBE ASSEMBLY P/N 01-0770029-29.
- *THE 3 LEFT INBOARD COWL FLAP LOUVERS P/N 0851766-4 & -2 WERE REMOVED AND REPLACED WITH NEW CESSNA PARTS.
- *THE REAR SPAR UPPER AFT FITTING P/N 0811276-3 WAS REMOVED AND REPLACED WITH A SERVICEABLE PART.
- *THE LEFT WING LOWER FILLET P/N0800056-5 WAS REMOVED AND REPLACED WITH A FABRICATED PART IAW THE AIRCRAFT STRUCTURAL REPAIR MANUAL AND AC 43-13 1B, USING THE FACTORY SCREW PATTERN AND NEW HARDWARE.
- *THE LEFT NOSE JACK PAD P/N 0811500-1 WAS REPLACED WITH A SERVICEABLE PART.

THE FOLLOWING ITEMS WERE REMOVED:
 *BOTH MASTEN ENGINE ANALYZERS.
 *OUTSIDE AIR TEMPERATURE INDICATING SYSTEM.

THE ABOVE REPAIRS WERE ACCOMPLISHED IAW THE CESSNA 320 MAINTENANCE MANUAL, STRUCTURAL REPAIR MANUAL, ILLUSTRATED PARTS CATALOGUE AND AC 43.13-1B. THE REPAIRS WERE PAINTED TO MATCH THE AIRCRAFT. THE AIRCRAFT WAS WEIGHED AND A NEW WEIGHT AND BALANCE FORM WAS COMPLETED. I CERTIFY THAT THIS AIRFRAME IS AIRWORTHY FOR RETURN TO SERVICE IN REGARDS TO THE WORK PERFORMED.

TIMOTHY BOURGOINE CRS# J7BR555Y
 BODE AVIATION WO# 6374



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August 28, 2012 Hobbs: 1469.5
 N5769X Cessna 320 S/N: 320-0069



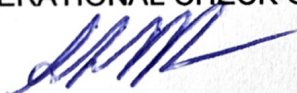
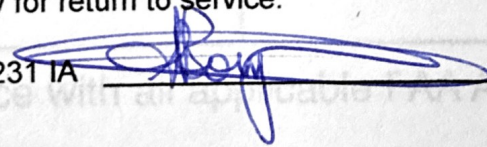
Removed existing audio panel, associated wiring and installed a serviceable Garmin GMA 340 audio panel. Replaced all microphone and headset jacks. Operational check good. Aircraft reweighed as stated in the logbook entry dated August 28, 2012. All work performed IAW with AC 43.13-1B, AC 43.13-2B and Garmin GMA 340 Audio Panel Installation Manual. I certify that this aircraft is airworthy and approved for return to service with respect to the work performed.

Josh Frick CRS: J7BR555Y



WO 6374

MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures Repairman and Station Certificate Numbers
2012				
7-20		0.0		
<p>AUGUST 28, 2012 HOBBS: 1469.5 TSMOH: 0.0 TOTAL 1203.4 N5769X L/H PROPELLER HARTZELL HC-A2MVF-2 S/N Y2912</p> <p>THIS PROPELLER WAS REMOVED AND OVERHAULED BY NEW MEXICO AIRCRAFT PROPELLER CRS# N5PR141Y AND WAS REINSTALLED. SEE NMAP WO# 4015. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED AIRWORTHY FOR RETURN TO SERVICE. GROUND RUN-UP FOR LEAK AND OPERATIONAL CHECK GOOD.</p> <p>STEVEN JOHNSON CRS#J7BR555Y WO# 6374 </p>				
<p>October 19, 2013 hobbs: 1566.9 TSMOH: 97.4 Total 1300.8 N5769X L/H Propeller Hartzell HC-A2MVF-2 s/n Y2912</p> <p>100 hour/Annual inspection completed in accordance with far 43 appendix d, using Cessna model 320 inspection checklist as a guide. Dressed blades. I certify that this propeller has been inspected IAW with an Annual Inspection and has been determined airworthy for return to service.</p> <p>Timothy Bourgoine A&P 3178231 IA  CRS J7BR555Y WO 6893</p>				

Bode Aviation INC
CRS J7BR555Y

DATE	RECORDING	TOTAL	DESCRIPTION OF INSPECTIONS TESTS SERVICES AND REPAIRS (SEE REVERSE SIDE FOR SERIES.)
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August 28, 2012 Hobbs reads 1469.5 TSMOH 0.0 Total time 3980.4
 N5769X R/H Engine TCM TSIO-470-B sn# 99479-2-R

— This engine overhauled IAW TCM Overhaul Manual no. X-30033. Engine disassembled due to propeller strike for inspection IAW TCM SB 96-11B. Crankshaft reconditioned, new counterweight bushings installed, TCM MSB 96-10A complied with, see Aircraft Specialties Services, Inc. wo# 210577. Counterweights reconditioned see Aircraft Specialties Services, Inc. wo# 210577. Camshaft and lifters reconditioned, see Aircraft Specialties Services, Inc. wo# 210577. Connecting rods and rocker arms reconditioned, see Aircraft Specialties Services, Inc. wo# 210577. All remaining steel parts magnafluxed, see Aircraft Specialties Services, Inc. wo# 210577. Crankcase was overhauled by Divico Inc. see wo# 100636. Engine reassembled IAW TCM Overhaul manual no. X- 30033. using all new counterweight pins, plates and snap rings. Installed all new gear bolts, rod bearings, main bearings rod bolts and nuts. Installed all new locktabs, gaskets, packings and seals. Installed 6 each new TCM 658184A3 cylinder assemblies (manufacture dates March and April 2012 see TCM form 8130). Overhauled starter adapter with all new bearings, overhauled starter shaft and new 539800M030 spring. Installed overhauled starter pn# 646275-1 sn# H-M060450. Installed new Aero-Classics engine oil cooler pn# 8000531 sn# 1371064. Fuel system not overhauled at this time. Cleaned fuel injectors. Disassembled magnetos and overhauled IAW TCM ignition systems publication no. X42002-3. Magneto 500 hour inspection completed. Installed new distributor gears kits, greased bearings and replaced all hardware with new. Reinstalled magnetos and timed to engine. Installed all new RHB 32E spark plugs. Installed overhauled G455 vacuum pump, sn# 49421. Installed propeller governor after overhaul, see R&D Propeller Service wo# 13422. Repaired all engine baffling as required and reinstalled. Reinstalled alternator as removed. Installed this engine in R/H position of Cessna 320 N5769X. Installed new engine mounts, bolts and locktabs. Reinstalled propeller after overhaul, see New Mexico Aircraft Propeller wo# 4016. Installed new oil filter CH48104-1. Pre-oiled engine and serviced with 12 quarts of Aeroshell 50 wt. mineral oil. Ground run-up for leak and operational check good.

Steven R. Johnson A&P 585568445
 Bode Aviation Inc. CRS J7BR555Y wo# 6374




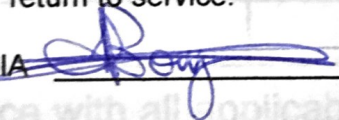
27 NOVEMBER 2012 HOBBS: 1495.7 TSO 26.2
 N5769X R/H ENGINE TCM TSIO-470-B S/N 99479-2-R

DRAINED ENGINE OIL, REMOVED AND REPLACED OIL FILTER. SERVICED WITH 11 QTS. OF AEROSHELL 80 NON-DETERGENT. GROUND RUN-UP FOR LEAK AND OPERATIONAL CHECK GOOD.

STEVEN R. JOHNSON A&P 585568445



MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description of Work	Authorized Signatures Repairman and Station Certificate Numbers
2012				
7-20		0.0		
<p>AUGUST 28, 2012 HOBBS: 1469.5 TSMOH: 0.0 TOTAL 1203.4 N5769X R/H PROPELLER HARTZELL HC-A2MVF-2 S/N Y2908</p> <p>THIS PROPELLER WAS REMOVED AND OVERHAULED BY NEW MEXICO AIRCRAFT PROPELLER CRS# N5PR141Y AND WAS REINSTALLED. SEE NMAP WO# 4016. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED AIRWORTHY FOR RETURN TO SERVICE. GROUND RUN-UP FOR LEAK AND OPERATIONAL CHECK GOOD.</p> <p>STEVEN JOHNSON CRS#J7BR555Y WO# 6374 </p>				
<p>October 19, 2013 hobbs: 1566.9 TSMOH: 97.4 total 1300.8 N5769X R/H Propeller Hartzell HC-A2MVF-2 s/n Y2908</p> <p style="text-align: right;">Bode Aviation INC CRS J7BR555Y</p> <p>100 hour/Annual inspection completed in accordance with far 43 appendix d, using Cessna model 320 inspection checklist as a guide. Dressed blades. I certify that this propeller has been inspected IAW with an Annual Inspection and has been determined airworthy for return to service.</p> <p>Timothy Bourgoine A&P 3178231 IA  CRS J7BR555Y WO 6893</p>				

Note: Enter compliance with all applicable FAA Airworthiness Director on pages 11 & 12