N5769X

1962 Cessna 320

RH Engine Logbok SMOH 2012 - 2023

Aircraft S/N: 320-0069



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

P/H

The Standard



ENGINE LOG

SINE RECORD — GEN	IERAL INFORMATION	
AL	MODEL 75104	70-B. Spec 2
	TYPE CERT	FICATE
FT COMMON		
C-320	N5769X	Right Engine
OIL GRADE	SUMMER	WINTER
POINT SETTING _	7,819	FIRING ORDER
The state of the s	HOURS.	
Šanacia.		
	37K70	
and the 1974 and the profit of the continues of	SAIR L.	
	The Standa	300
and the second s	STATE	
	FT C-320 —— OIL GRADE —— POINT SETTING —	C-320 N5769X — OIL GRADE SUMMER — POINT SETTING — HOURS.



D	ATE RECORDING TOTAL DESCRIPTION OF INSPECTIONS THE	DATE C
_	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	RIES.)
	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. Crankshaft 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 pr# 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 baffleing 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	
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-	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	

DATE	JUNE 5, 2013 HOBBS: 1519.4 N5769X R/H ENGINE TCM TSIO-470-B S/N 99479-2-R	
19	DRAINED ENGINE OIL, REMOVED AND REPLACED OIL FILTER. SERVICED W COMPLIED WITH AD 2000-01-16, IAW PARA. (B) VISUAL INSPECTION, NEXT I GROUND RUN-UP FOR LEAK AND OPERATIONAL CHECK GOOD.	
	TIMOTHY BOURGOINE A&P 3178231	
	October 19, 2013 Hobbs: 1566.9 TSMOH: 97.4 Total 4077.8 N5769X R/H engine TCM TSIO-470-b s/n 99479-2-R	Bode Aviation INC - CRS J7BR555Y
	checklist as a guide. Compressions as follows: 1-72/80, 2-68/80, 3-72/80, 4-65/80, timing. Cleaned, inspected and re-gapped spark plugs. Cleaned fuel screens. Cle plumbing and wiring for condition, security, and clearance. AD 2000-01-16, statu inspection, next due by hobbs: 1616.9 or 10-2014, whichever occurs later; C/W particle 10-2014; para. (d) engine beam & firewall inspection, next due by hobbs: 1969.5; onext due by 10/2014; para. (f) segmented clamps, next due hobbs: 1918.6; para. (AFTT: 6480.5, R/eng. Due by AFTT: 6212.0. Ground run-up for leak and operation been inspected IAW with an Annual Inspection and has been determined airworthy for the second s	aned induction air filter. Inspected all is is as follows: C/W para. (b) visual ra. (c) tailpipe inspection, next due by c/w para. (e) exhaust pressure check, g) exhaust system OH L/eng. Due by all check. I certify that this engine has for return to service.
	Timothy Bourgoine A&P 3178231 IACRS J7B	R555Y WO 6893
	July 25, 2014 Hobbs: 1604.1 TSMOH: 134.6 Total 4115.0 N5769X R/H engine TCM TSIO-470-b s/n 99479-2-R	Bode Aviation INC CRS J7BR555Y
	Drained oil replaced oil filter with new and filled with 12 quarts Aeroshell w100. All para. (b) visual inspection, next due by Hobbs: 1704.1 or 7/25/15, whichever occupant due by 10-2014; para. (d) engine beam & firewall inspection, next due by 10 pressure check, next due by 10/2014; para. (f) segmented clamps, next due hobbs L/eng. Due by AFTT: 6480.5, R/eng. Due by AFTT: 6212.0. Ground run-up for leak approved for return to service with respect to the above work performed.	curs later; para. (c) tailpipe inspection, hobbs: 1969.5; C/W para. (e) exhaust
	Barry L. Kromer CRS J7BR555¥ WWW	WO 7133

Di	February 01, 2017 HOBBS: 1765.4 ACTT: 4689.9 TSMOH: 297.9 ETT: 4278.3 BODE AVIATION INC N5769X CESSNA 320 SER# 320-0069 ENG. #2 TCM TSIO-470-B S/N 99479-2-R
19	CW TOP O.H. CHROME CYLINDER'S P/N TSIO-470 F/C CYL "B" S/N 278, 265, 267, 219, 768, 590. 6EA. NEW PISTONS P.N 655988-NS. SUPERIOR PISTON RING,S SET P/N "CC106".EXHAUST VALVE P/N AEC637781, ROCKER SHAFT KIT P/N M92-7. ASSUMBLED AND INSTALLED WITH NEW GASKETS AND "O" RINGS. GROUND RUN OP'S LEAK CHECK GOOD. THIS ENGINE HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE WITH RESPECT TO THE ABOVE WORK PERFORMED.
_	GILBERT B. ARAGON A&P 1835643 IA S. B. WO#7807 WO#7807
	February 02, 2017 Hobbs: 1765.4 TSMOH: 297.9 Total 4278.3 N5769X R/H engine TCM TSIO-470-b S/N 99479-2-R
	100 hour/Annual inspection completed in accordance with far 43 appendix d, using Cessna model 320 inspection checklist as a guide. Changed oil and oil filter P/N CH48104-1 serviced with 10 Qts. Aeroshell Mineral 100W. Inspected magneto timing. Cleaned, inspected and re-gapped spark plugs. Cleaned fuel screens. Cleaned induction air filter. Inspected all plumbing and wiring for condition, security, and clearance. AD 2000-01-16, status is as follows: C/W para. (b) visual inspection, next due by Hobbs: 1865.4 or 12-2017, whichever occurs later; C/W para. (c) tailpipe inspection, next due by 02-2018; para. (d) engine beam & firewall inspection, next due by hobbs: 1969.5; C/W para. (e) exhaust pressure check, next due by 02/2018; para. (f) segmented clamps, next due hobbs: 1918.6; para. (g) exhaust system OH L/eng. Due by AFTT: 6480.5, R/eng. Due by AFTT: 6212.0. Ground run-up for leak and operational check. I certify that this engine has been inspected IAW with an Annual Inspection and has been determined to be in an airworthy condition and return to service with respect to the above work performed. Gilbert B. Aragon A&P 1835643 IA WO 7807
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DATE	RECORDING TACH	TODAYS	TOTAL TIME IN	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER	OF
19	200.5 5 500)
- AU	GUST 28, 20	12 HOBBS	S: 1469.5 TSI	MOH: 0.0 TOTAL 3980.4	_
N5	769X R/H EN	IGINE TCM	1 TSIO-470-	B S/N 99479-2-R	
					-
100	HOUR/ANN	IUAL INSP	ECTION CC	IMPLETED IN ACCORDANCE WITH FAR 43 APPENDIX D, USING CESSNA	
MO	DEL 320 IN	SPECTION	N CHECKLIS	ST AS A GUIDE. CLEANED FUEL SCREENS. CLEANED INDUCTION AIR	
FIL	TER. INSPE	CTED ALL	PLUMBING	AND WIRING FOR CONDITION, SECURITY, AND CLEARANCE. AD 2000-01-	
16,	STATUS IS	AS FOLLO	WS: C/W P	ARA. (B) VISUAL INSPECTION, NEXT DUE BY HOBBS: 1519.2 OR 9-28-2012,	
WH	ICHEVER O	CCURS L	ATER; C/W	PARA. (C) TAILPIPE INSPECTION, NEXT DUE BY 8-2013; C/W PARA. (D)	
EN(GINE BEAM	& FIREW	IALL INSPE	CTION, NEXT DUE BY HOBBS: 1969.5 OR AFTT 4892.0; C/W PARA. (E)	
EXH	HAUST PRE	SSURE C	HECK, NEX	T DUE BY 8-2013; PARA. (F) SEGMENTED CLAMPS, NEXT DUE HOBBS:	
				MOVERHAUL DUE BY AFTT: 6212.0. AD 2009-19-07 C2 TO PREVENT LOSS	
				JFACTURE DATE. AD 2010-11-04 TO PREVENT EXCESSIVE HYDRAULIC	
				ATE. AD 2012-03-06 C TO PREVENT AN IN FLIGHT ENGINE SHUTDOWN, N/A	
NO	T EQUIPPE	D. GROUN	ND RUN-UP	FOR LEAK AND OPERATIONAL CHECK GOOD. I CERTIFY THAT THIS	
ENG	SINE HAS	BEEN IN	SPECTED	IAW WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED	
AIR	WORTHY FO	OR RETUR	N TO SERV	ICE.	A R R R R R R R R R R R R R R R R R R R
				WIN THE STATE OF T	
STE	EVEN JOHNS	SON CRS	#J7BR555Y	WO# 6374	
		entral participants.			
— .	Nav. 04. 004.4	Habba 4	000 7 TOMO	11, 400 0 Table 4440 0	
				H: 160.2 Total 4140.6 Bode Aviation INC	
394	N2/69X K/H	engine IC	M 1510-470	0-b s/n 99479-2-R CRS J7BR555Y	
Total Action	100 hour/An	nual inspe	ction comple	eted in accordance with far 43 appendix d, using Cessna model 320 inspection	
1	checklist as a	guide. C	ompressions	as follows: 1-60/80, 2-74/80, 3-66/80, 4-72/80, 5-70/80, 6-72/80. Changed oil and oil	
Total Assessingly a	liter with Ae	roshell 100	ow, and CH4	18104-1 filter. Inspected magneto timing. Cleaned, inspected and re-gapped spark	
1	olugs. Clean	ed fuel scr	eens. Clean	ed induction air filter. Inspected all plumbing and wiring for condition, security, and	
	clearance. Al	D 2000-01-	16, status is	as follows: C/W para. (b) visual inspection, next due by hobbs: 1676.9 or 10-2015	
,	whichever of	ccurs later	; C/W para.	(c) tailpipe inspection, next due by 10-2015; para. (d) engine beam & firewall	
	inspection, n	ext due by	hobbs: 2019	9.5; c/w para. (e) exhaust pressure check, next due by 10/2015; para. (f) segmented	_
1	clamps, next due hobbs: 1918.6; para. (g) exhaust system OH L/eng. Due by AFTT: 6480.5. R/eng. Due by AFTT:				
	6212.0. Grou	ind run-up	for leak and	operational check. I certify that this engine has been inspected IAW with an Annual	
	inspection ar	nd has bee	n determined	to be in an airworthy condition and return to service with regard to the above work	
	performed.				
				- luli	
144	Stuart Miles	A&P 58539	3595 IA	CRS J7BR555Y WO 7212	

				_
D 19	Bode Aviation, Inc. 2502 Clark Carr Loop SE Albu 25 June 2015 N5769X Cessna 320 S/N: 32 Right engine TCM TSIO-470-B S/N 99479-2-R	querque, NM 87106 20-0069 Hobbs 1651.4	BODE)F)
_	Cleaned all fuel injectors. Replaced injector lines on cy Ground run-up for leak and operational check good. I certify that this airframe is airworthy for return to servi			
_	Steve Johnson	A&P 3694031	WO# 7413	
	Nov 20, 2015 Hobbs: 1701.2 TSMOH: 231.7 Total 4212.1 N5769X R/H engine TCM TSIO-470-b s/n 99479-2-R		Bode Aviation INC CRS J7BR555Y	
. 1	100 hour/Annual inspection completed in accordance with checklist as a guide. Compressions as follows: 1-55/80, 2-70 filter with Aeroshell 100w, and CH48104-1 filter. Inspected plugs. Cleaned fuel screens. Cleaned induction air filter. Inspected	/80, 3-65/80, 4-60/80, 5-62/8 magneto timing. Cleaned, in	0, 6-70/80. Changed oil and oil espected and re-gapped spark	
	clearance. AD 2000-01-16, status is as follows: C/W para. (by whichever occurs later; C/W para. (c) tailpipe inspection, inspection, next due by hobbs: 1969.5; C/W para. (e) exhaus clamps, next due hobbs: 1918.6; para. (g) exhaust system	 visual inspection, next due next due by 11-2016; para t pressure check, next due by 	by Hobbs: 1751.2 or 11-2016, a. (d) engine beam & firewall y 11/2016; para. (f) segmented	
	6212.0. Ground run-up for leak and operational check. I certi Inspection and has been determined to be in an airworthy coperformed.	fy that this engine has been	inspected IAW with an Annual	
	Stuart Miles A&P 585393595 IA	lete	WO 7558	
May 6, 20 N5769X	017 HOBBS: 1786.3 ACTT: 4710.8 TSMOH: 318.8 ETT: 4299.2 CESSNA 320 SER# 320-0069 ENG. #2 TCM TSIO-470-B S/N 99479-2-	R	BODE AVIATION INC DOUBLE EAGLE II AIRPORT	
INSTALL IS APPR	ED GAMI INJECTOR KIT ON THIS ENGINE IAW STC SE09289SC. PERI OVED FOR RETURN TO SERVICE WITH RESPECT TO THE APOVE WO	ORMED GROUND RUN FOR OP ORK PERFORMED.	S AND LEAK CHECKS. THIS AIRCRAFT	
	MILES A&P 585393595		WO# 7962	

October 04, 2019 Hobbs: 1811.3 TSMOH: 341.8 Total 4322.2 **Bode Aviation INC** OF N5769X R/H engine TCM TSIO-470-b s/n 99479-2-R CRS J7BR555Y ES.) Annual inspection completed in accordance with far 43 appendix d, using Cessna model 320 inspection checklist as a guide. Compressions as follows: 1-60/80, 2-74/80, 3-66/80, 4-72/80, 5-70/80, 6-72/80. Changed oil and oil filter with Aeroshell 100w, and CH48104-1 filter. Inspected magneto timing. Cleaned, inspected and re-gapped spark plugs. Cleaned fuel screens. Cleaned induction air filter. Inspected all plumbing and wiring for condition, security, and clearance. AD 81-09-09 Stewart Warner heater pressure decay test - next due 1911.3. C/W AD 72-14- 08 R1 flexible hose assy. inspection no defects noted, next due Hobbs: 1911.3. AD 2000-01-16 status is as follows: C/W para. (b) visual inspection, next due by Hobbs: 1911.3 or 10-2020, whichever occurs later; C/W para. (c) tailpipe inspection, next due by 10-2020; para. (d) engine beam & firewall inspection, next due by hobbs: 1969.5; C/W para. (e) exhaust pressure check, next due by 10/2020; para. (f) segmented clamps, next due hobbs: 1918.6; para. (g) exhaust system OH L/ENG. due by AFTT: 6480.5, R/ENG. Due by AFTT: 6212.0. Ground run-up for leak and operational check. I certify that this engine has been inspected IAW with an Annual Inspection and has been determined to be in an airworthy condition and return to service with regard to the above work performed. Stuart Miles A&P 585393595 IA WO 8286 November 22, 2021 Hobbs: 1811.3 TSMOH: 341.8 Total 4322.2 **Bode Aviation INC** N5769X R/H engine TCM TSIO-470-b s/n 99479-2-R KAEG Annual inspection completed in accordance with far 43 appendix D inspection checklist as a guide. Compressions as follows: 1-71/80, 2-64/80, 3-75/80, 4-65/80, 5-71/80, 6-60/80. Changed oil and oil filter with Aeroshell 100w, and CH48104-1 filter. Inspected magneto timing. Cleaned, inspected and re-gapped spark plugs. Cleaned fuel screens. Cleaned induction air filter. Inspected all plumbing and wiring for condition, security, and clearance. AD 2017-06-03 Stewart Warner heater pressure decay test - next due 1911.3. C/W AD 72-14- 08 R1 flexible hose assy, inspection no defects noted, next due Hobbs: 1911.3. AD 2000-01-16 status is as follows: C/W para. (b) visual inspection, next due by Hobbs: 1911.3 or 11-2022, whichever occurs later; C/W para. (c) tailpipe inspection, next due by 11-2022; para. (d) engine beam & firewall inspection, next due by Hobbs: 1969.5; C/W para. (e) exhaust pressure check, next due by 11/2022; para. (f) segmented clamps, next due Hobbs: 1918.6; para. (g) exhaust system OH L/ENG, due by AFTT: 6480.5, R/ENG. Due by AFTT: 6212.0. Performed ground run-up for leak and operational checks. This engine has been inspected IAW with an Annual Inspection and has been determined to be in an airworthy condition and is approved for return to service with respect to the above work performed. Stuart Miles A&P 585393595 IA WO 9325

DATE	August 24, 2023 Hobbs: 1811.4	TSMOH: 341.9 Total 4322.3	Bode Aviation INC	NS BER OF	
19	N5769X R/H engine TCM TSIC)-470-b s/n 99479-2-R	KAEG	NTRIES.)	
	Annual inspection completed in accordance with far 43 appendix D inspection checklist as a guide. Compressions as follows: 1-65/80, 2-50/80, 3-60/80, 4-60/80, 5-65/80, 6-50/80. Changed oil and oil filter with Aeroshell 100w, and CH48104-1 filter. Inspected magneto timing. Cleaned, inspected and re-gapped spark plugs. Cleaned fuel screens. Cleaned induction air filter. Inspected all plumbing and wiring for condition, security, and clearance. C/W AD 72-14-08 R1 flexible hose assy. inspection no defects noted, next due Hobbs: 1911.4. AD 2000-01-16 status is as follows: C/W para. (b) visual inspection, next due by Hobbs: 1861.4 or 9/30/24, whichever occurs later; C/W para. (c) tailpipe inspection, next due by 09/2024; para. (d) engine beam & firewall inspection, next due by Hobbs: 2311.4; C/W para. (e) exhaust pressure check, next due by 09/2024; para. (f) segmented clamps, next due Hobbs: 2311.4; para. (g) exhaust system overhauled by Aerospace Welding CRS# UWDR792L OH L/ENG due by AFTT: 7233.9 OR 09/2034, R/ENG Due by AFTT: 7233.9 OR 09/2034. Replaced right wastegate assy due to erosion PN 0851565-6 SN 320A0003. Replaced manifold valve diaphragm assy with new IAW X30593A overhaul and parts catalog for fuel injection systems 73-30-04. Performed ground run-up for leak and operational checks. This engine has been inspected IAW with an Annual Inspection and has been determined to be in an airworthy condition and is approved for return to service with respect to the above work performed. Stuart Miles A&P 585393595 IA				

MEMORANDA 9-67 In #2 arriff Empliance thou Complied with 2-5-88 Men-Les

