

N 32 462



ENGINE LOG

N 32462

THIS ENGINE WAS OVERHAULED ACCORDING TO MANUFACTURER'S MANUAL AND MUST BE OPERATED IN STRICT ACCORDANCE WITH ORIGINAL ENGINE MANUFACTURER'S OPERATIONS MANUAL.

IN SOME INSTANCES P.M.A. PARTS ARE USED OTHER THAN THE ORIGINAL MANUFACTURER'S.

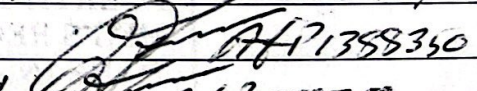
P.M.A. PARTS MEET F.A.A. SPECIFICATIONS.

ENGINE TEST RUN PER MANUFACTURER'S SPECIFICATION FOR 2.25 HRS.
ON 11-9-92 T.W. SMITH ENGINE CO., INC.

Herb Dan

**ENGINE EQUIPPED WITH
NU-CHROME CYLINDERS**

INSPECTION & MAINTENANCE RECORD

DATE	TACK TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
12-11-92	1445.2	<p>INSTALLED "O" T.S.O. ENG. S/N L 45050-27AC ON ALC N32462 ^{N32462} ENGINE INSTALLED WITH THE FOLLOWING COMPONENTS "O" T.S.O. P30P S/N K38912. "O" T.S.O. CARB MA4SPA P/N 10-5135, S/N CK-3-6117. NEW LEFT SLICK MAG P/N 4370, S/N 92090159 ⁹²⁰⁷⁰²⁷³, INSTALLED. NEW RT SLICK MAG P/N 4370, S/N 92080159, INSTALLED. VAC PUMP T.T.S.N. UN AIRBORNE 211CC, S/N 46A A638, STARTER MZ4204, S/N 9F000282 T.S.O 1043,28 INSTALLED. ENG FUEL PUMP T.T.S.N. UNIK. ALT S/N 702792 C4400 T.S.O. 223.6, ALL FUEL & OIL HOSES & COOLANT FLUSHED OUT. HOSES MAFB 11-10-91 TACK 1145. ALL NEW ENG LOAD MOUNTS INSTALLED. REPLACED DEFECTIVE SCAT DUCTING, ENG & COMPONENTS INSTALLED IAW MFG MAINT. MANUAL & ENG R/ SYS^s OK. SERVICABLE TAG IN BACK OF THIS LOG BOOK.</p> <p style="text-align: right;">  1. [unclear] Alt 1358350 2. [unclear] Alt 104281513 </p>

INSPECTION & MAINTENANCE RECORD

DATE	TACIK TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
		<p>CHARLES FARMER, I.A. 1388350, TEL. 916-348-6367, SACTO, CA DATE <u>12-11-92</u> HOBBS, TACK <u>00.00</u> T.T. <u>3974.05</u> T.S.O. <u>0</u> I CERTIFY THAT THIS <u>ENGINE</u> HAD A <u>100 HR</u> INSP. I.A.W. MFG'S RECOMMENDED INSP. PROGRAM & WAS DETERMINED TO BE IN AIRWORTHY CONDITON. AD'S LIST IN BOOK & C.W.</p> <p style="text-align: right;"><i>[Signature]</i> AIP 1388350</p>
4-1-93	50.2	<p>DIFF COMPRESSION TEST #1.78, #2.69, #3.72, #4.7 CHANGED OIL & FILTER SERVICED WITH ASW100 & 1EA ADDITIVE LW16702 REPLACED INDUCTION AIR FILTER P/N BA16. ENG OIL & SYS^s OIL. OIL. ABOVE WORK DONE IAW MFG'S MAINT MANUAL.</p> <p style="text-align: right;"><i>[Signature]</i> AIP 1388350</p>
		<p>CHARLES FARMER, I.A. 1388350, TEL. 916-348-6367, SACTO, CA DATE <u>4-1-93</u> HOBBS, TACK <u>50.2</u> T.T. <u>4024.25</u> T.S.O. <u>50.2</u> I CERTIFY THAT THIS <u>ENGINE</u> HAD A <u>100 Hour</u> INSP. I.A.W. MFG'S RECOMMENDED INSP. PROGRAM & WAS DETERMINED TO BE IN AIRWORTHY CONDITON. AD'S LIST IN BOOK & C.W.</p> <p style="text-align: right;"><i>[Signature]</i> AIP 104281513</p>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	REMARKS
<p>CHARLES FARMER, A1388350, PERM 916-348-6367, SACTO, CA REG. NO. 1A1388350</p> <p>DATE 4-1-92 HOBB, TACK 50.2 T.T. 4024.25 T.S.O. 50.2</p> <p>I CERTIFY THAT THIS <u>ENGINE</u> HAD A <u>ANNUAL</u> INSP. I.A.W. MFG'S RECOMMENDED INSP. PROGRAM & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. AD'S LIST IN BOOK & C.W.</p> <p style="text-align: right;"><i>[Signature]</i>, A1388350</p>		
Sept 29.	Hobbs Time 93.4	Drain oil replenish with 8 quarts 100 Aeroshell straight mineral replaced oil filter checked governor Ground run up check oil pressure + for oil leaks. No leaks evident.
		Heriberto F. Olive A1388350 111235
Oct 29, 1993	Hobbs 143.4 SMOH 133.7 Tack 133.7	Drain oil replace oil filter replenish with 8 quart w. 100 oil cleaned & gapped spark plugs performed compression check cleaned fuel strainer Bowl and screen all four cylinders hose 72 or better check magnetos & engine timing check for leaks

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
Oct 29, 1993		I certify that this engine has been inspected in accordance with 900hr inspection and was determined to be in an airworthy condition.
4-15-94		Philbert A. Old AEP50111235
AF		
TT 4207	TACH 233	PERFORMED ANNUAL INSPECTION AT THIS TIME CHANGED OIL AND FILTER SERVICED WITH 8 QT. W100 AND CH48110 CLEANED AND GAPPED PLUG CHANGED BA ELEMENT COMPRESSION CHECK 76 OR BETTER AND CHECK MAG TIMING
		DATE 4-15-94
		I CERTIFY THAT THIS AIRCRAFT ENGINE PROP HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.
		TOTAL 4207 SMOH 233 TACH 233
		Phil D. Old AEP5137867291A

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.																								
		<div style="border: 2px solid black; padding: 10px; margin: 10px auto; width: 90%;"> <p style="text-align: center; margin: 0;">ED-AIR, INC. RR#4, BOX 303 SULLIVAN, IN 47882 812-268-5220</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">MANUFACTURER:</td> <td style="border: 1px solid black; padding: 2px;">Lycoming</td> <td style="width: 35%;">Time Since Last Inspection:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">140.3</td> </tr> <tr> <td>TYPE/MODEL:</td> <td style="border: 1px solid black; padding: 2px;">0-320-E3D</td> <td>SERIAL NUMBER:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">L-45050-27AC</td> </tr> <tr> <td>AIRCRAFT TOTAL TIME:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">4347.4</td> <td>N-NUMBER:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">N-32462</td> </tr> <tr> <td>TACH TIME:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">373.3</td> <td>SMOHE:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">373.3</td> </tr> <tr> <td>PROP TOTAL TIME:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">3728.78</td> <td>PROP TIME SMOH:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">373.4</td> </tr> <tr> <td colspan="2">ANNUAL OR 100HR INSPECTION <input checked="" type="checkbox"/></td> <td>ENGINE TOTAL TIME:</td> <td style="border: 1px solid black; padding: 2px; text-align: right;">4347.4</td> </tr> </table> <p style="font-size: small; margin-top: 10px;">Annual inspection completed this date, for all work done see work order dated this date. Compression test 1.79/80 2.79/80 3.76/80 4.75/80. Change engine oil and oil filter. Check service bulletin No 518C OK.. All other work done according to 43-13-1 Annual inspection.</p> <p style="font-size: small; margin-top: 10px;">I CERTIFY THAT THIS AIRCRAFT, PROP OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p style="text-align: right; margin-top: 10px;">DATE: 6-12-95 <u><i>E. J. [Signature]</i></u> IA-1761675</p> </div>	MANUFACTURER:	Lycoming	Time Since Last Inspection:	140.3	TYPE/MODEL:	0-320-E3D	SERIAL NUMBER:	L-45050-27AC	AIRCRAFT TOTAL TIME:	4347.4	N-NUMBER:	N-32462	TACH TIME:	373.3	SMOHE:	373.3	PROP TOTAL TIME:	3728.78	PROP TIME SMOH:	373.4	ANNUAL OR 100HR INSPECTION <input checked="" type="checkbox"/>		ENGINE TOTAL TIME:	4347.4
MANUFACTURER:	Lycoming	Time Since Last Inspection:	140.3																							
TYPE/MODEL:	0-320-E3D	SERIAL NUMBER:	L-45050-27AC																							
AIRCRAFT TOTAL TIME:	4347.4	N-NUMBER:	N-32462																							
TACH TIME:	373.3	SMOHE:	373.3																							
PROP TOTAL TIME:	3728.78	PROP TIME SMOH:	373.4																							
ANNUAL OR 100HR INSPECTION <input checked="" type="checkbox"/>		ENGINE TOTAL TIME:	4347.4																							

Ed-Air, Inc. 1981 West Co. Road 200 North, Sullivan, In 47882 812-268-5220

MANUFACTURER **Lycoming**

Time Since Last Inspection **32.1**

TYPE/MODEL **0-320-E3D**

SERIAL NUMBER **L-45050-27AC**

AIRCRAFT TOTAL TIME: **4379.5**

N-NUMBER **N-32462**

TACH TIME: **405.4**

SMOHE: **405.4**

PROP TOTAL TIME: **3760.88**

PROP TIME SMOH: **405.5**

ANNUAL OR 100HR INSPECTION

ENGINE TOTAL TIME: **4379.5**

Annual inspection completed this date. Compression test.
1.74/80, 2.79/80, 3.79/80, 4.74/80. Installed new oil filter and change engine oil
Installed rebuilt muffler by Wag Aero See tags. Installed new REM37BY plugs.
For all other work done see work order dated this date.
AD completed thr 7-96
AD 95-26-13 cw at overhaul, AD96-09-10 CW, at overhaul

I CERTIFY THAT THIS AIRCRAFT, PROP OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: **July 17, 1996**

E. D. Kester

IA-1761675

DATE

Ed-Air, Inc. 1981 West Co. Road 200 North, Sullivan, In 47882 812-268-5220

MANUFACTURER: **Lycoming**

Time Since Last Inspection: **12.12**

TYPE/MODEL: **0-320-E3D**

SERIAL NUMBER: **L-45050-27AC**

AIRCRAFT TOTAL TIME: **4416.52**

N-NUMBER: **N-32462**

TACH TIME: **442.42**

SMOHE: **442.52**

PROP TOTAL TIME: **3797.9**

PROP TIME SMOH: **442.52**

ANNUAL OR 100HR INSPECTION

ENGINE TOTAL TIME: **4416.52**

Annual inspection completed this date. change engine oil and filter. Compression test 1.75/80 2.78/80, 3.76/80, 4.78/80. All other work done according to 43-13-1 annual inspection. AD completed thr 9-98.

I CERTIFY THAT THIS AIRCRAFT, PROP OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: **9/1/98**

[Signature]

IA-1761675

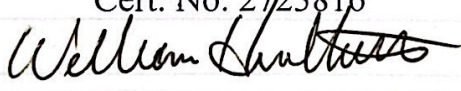
INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
------	------------	--

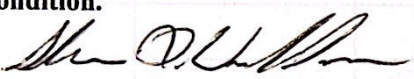
ED-AIR, INC.			
1981 WEST COUNTY ROAD 200 NORTH, SULLIVAN, IN 487882			
812-268-5220 FAX 812-268-0205			
N-Number	N-32462	Lycoming	0-320-E3D Engine Serial Number: L-45050-27A
Tack Time	456.5	Engine Total Time:	4430.5 SMOHE: 456.5
Annual inspection completed this date. Change engine oil and filter, Compression test , 1.79/80,2.78/80,3.80/80,4.77/80. Clean air filter. All AD completed thr 01/01.			
I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Date 01/10/01			
Edward L. Huddleston <i>E. L. Huddleston</i>		IA 1761675	

ED-AIR, INC.			
1981 WEST COUNTY ROAD 200 NORTH, SULLIVAN, IN 487882			
812-268-5220 FAX 812-268-0205			
N-Number	N-32462	Lycoming	0-320-E3D Engine Serial Number: L-45050-27A
Tack Time	457.9	Engine Total Time:	4431.9 SMOHE: 457.9
Annual inspection completed this date. For all work done see work order dated this date. Compression test 1.78/80.2.76/80.3.80/80.4.77/80. Change engine oil and filter. AD completed thr 4/02			
I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Date 04/09/02			
Edward L. Huddleston <i>E. L. Huddleston</i>		IA 1761675	

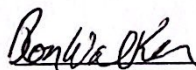
INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
	Hobbs 926.5, TSO 467.0, TT: 4441.05 <u>100 Hour Inspection</u>	<p>This engine has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this date and time.</p> <p>Changed oil and filter (20W50 & CH48110), cleaned and gapped spark plugs, washed engines with solvent. Set ignition timing to 25° BTDC. Replaced left magneto base gasket. Removed starter for overhaul and reinstalled (see 8130-3). Repaired carb heat muff.</p> <p>AD'S C/W 98-02-08 (b) & (c). Pitting found with no cracks. Next inspection due tach 567 or 9/06.</p> <p>Date: 8/3/05 By: William Hurlbutt, Mechanic IA Cert. No. 2723816 </p>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
15JUL07	Tach: 473.9	Annual Insp. Lycoming O-320 N32462 RR engine Oil (8) qt. W100 and filter, (1) ES48110 filter. Engine run parameters good: Idle:600 Static: 2250 (cold) Mag drop: Good RR air filter BA-16 / Compression: #1 78/80 #2 77/80 #3 75/80 #4 72/80 AD's check for compliance through 15JUL07. Removed, cleaned, inspected, repainted spark plugs. I certify that this engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition.  Shawn D. Van Horn AP 315863218IA

12/1/2008. 100 Hr/Annual Inspection completed this date.
 Engine Lycoming O320-E3D. SN L-45050-27A
 TT.4448.6 Hrs; Tack T. 474.6; Hrs; TSMO 474.2
 Compression #1 73/80; #2 66/80; #3 66/80; #4 67/80:
 All AD's checked and complied with to this date.
 Changed oil and filter added 8 qts Aero Shell W80.
 Test flew and returned to service.



Ronald E. Walker A&P/IA 1885859

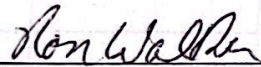
INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
------	------------	--

WALKER AVIATION LLC

Located at SIV

12/1/2009. Engine Lycoming O320-E3D. SN L-45050-27A
TT.4449.3 Hrs; Tack T. 475.3; Hrs; TSMO 474.2
100 Hr/Annual Inspection according to Piper inspection table.
Inspection completed this date. Compression #1 72/80; #2 68/80; #3 68/80; #4 66/80:
Adjusted throttle linkage. All AD's checked and complied with to this date.
Test flew and returned to service. I certify this engine has been inspected in
accordance with an Annual inspection and determent to be in airworthy condition



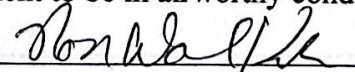
Ronald E. Walker A&P/IA 1885859

WALKER AVIATION LLC

ENGINE

October 16, 2017. N32462; PA-28-151; Engine Lycoming O320-E3D. SN L-45050-27A
TT.4455.9 Hrs; Tach T. 481.9; Hrs; TSMO 481.9 100 Hr/Annual Inspection according to Piper inspection
table and/or per check list and FAR Part 43, Appendix D, Par. D. Inspection completed this date.
Compression #1 76/80; #2 69/80; #3 72/80; #4 67/80: AD 98-02-08 N/A to 150 HP engines. AD 17-17-11
N/A Date of overhaul. Removed oil filter, and cut open found normal. Test ran and returned to service. All
work done I/A/W Lyc. M/M or AC 43-13B I certify this engine has been inspected in accordance with a
100 hr/Annual inspection and determent to be in airworthy condition End.

Ronald E. Walker A&P/IA 1885859



INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
		WALKER AVIATION LLC <u>ENGINE</u>
		5/27/2011. Engine Lycoming O320-E3D. SN L-45050-27A TT.4449.6 Hrs; Tach T. 475.6; Hrs; TSMO 474.6 100 Hr/Annual Inspection according to Piper inspection table and/or per check list and FAR Part 43, Appendix D, Par. D. Inspection completed this date. Compression #1 75/80; #2 68/80; #3 69/80; #4 70/80: All AD's checked and complied with to this date. AD 98-02-08 N/A to 150 HP engines. Drained oil, replaced with 8 qt. Phillips 20/50 anti corrosion oil. (This Oil May Be Flown for up to 10 Hrs.) Changed oil filter, replaced with CH 48110-1, safety wired. Replaced L & R mag. Harness with new slick harness. Replaced all flexible fuel lines with new mil speck 6794-6 hose. Test flew and returned to service. All work done I/A/W Lyc. MM or AC 43 I certify this engine has been inspected in accordance with an 100 hr/Annual inspection and determent to be in airworthy condition End. Ronald E. Walker A&P/IA 1885859 <u><i>Ronald E. Walker</i></u>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
		WALKER AVIATION LLC <u>ENGINE</u>
9/25/2012.		Engine Lycoming O320-E3D. SN L-45050-27A TT.4450.4 Hrs; Tach T. 476.4; Hrs; TSMO 475.4 100 Hr/Annual Inspection according to Piper inspection table and/or per check list and FAR Part 43, Appendix D, Par. D. Inspection completed this date. Compression #1 72/80; #2 66/80; #3 71/80; #4 68/80: AD 98-02-08 N/A to 150 HP engines. AD 2012-03-07 (carburetor) NA part number. All AD's checked and complied with to this date. Drained oil, replaced with 8 qt. Phillips 20/50 anti corrosion oil. (This Oil May Be Flown for up to 10 Hrs.) Changed oil filter, replaced with CH 48110-1, safety wired. Test ran and returned to service. All work done I/A/W Lyc. MM or AC 43 I certify this engine has been inspected in accordance with an 100 hr/Annual inspection and determent to be in airworthy condition End. Ronald E. Walker A&P/IA 1885859 <u><i>Ronald E. Walker</i></u>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
------	------------	--

WALKER AVIATION LLC
ENGINE

10-17-2013. Engine Lycoming O320-E3D. SN L-45050-27A
TT.4451.9 Hrs Tach. TSMO 476.9 100 Hr/Annual Inspection according to Piper inspection table and/or per check list and FAR Part 43, Appendix D, Par. D. Inspection completed this date. Compression #1 70/80; #2 62/80; #3 68/80; #4 64/80: AD 98-02-08 N/A to 150 HP engines. Drained oil, replaced with 8 qt. Phillips 20/50 anti corrosion oil. (This Oil May Be Flown for up to 10 Hrs.) Changed oil filter, replaced with CH 48110-1, safety wired. Test ran and returned to service. All work done I/A/W Lyc. MM or AC 43 I certify this engine has been inspected in accordance with an 100 hr/Annual inspection and determent to be in airworthy condition End.
Ronald E. Walker A&P/IA 1885859 *Ron Walker*

WALKER AVIATION LLC
PROP

10-17-2013 TACH: 476.4 hrs. SMOH

Annual Inspection completed per check list and FAR Part 43, Appendix D, Par. H. I certify that this prop has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. End.
Ron Walker IA1885859 *Ron Walker*

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	WALKER AVIATION LLC	ISSUED BY - AGENCY & CERTIFICATION	DATE NO.
------	------------	---------------------	------------------------------------	----------

ENGINE

July 26 2015. N32462; PA-28-151 Engine Lycoming O320-E3D. SN L-45050-27A
TT.4451.3 Hrs; Tach T. 477.3; Hrs; TSMO 477.3

100 Hr/Annual Inspection according to Piper inspection table and/or per check list and FAR Part 43, Appendix D, Par. D. Inspection completed this date.

Compression #1 73/80; #2 60/80; #3 74/80; #4 64/80: AD 98-02-08 N/A to 150 HP engines. Drained oil, replaced with 8 qt. Aeroshell 100W and one can of AV blend. Did not change oil filter. Test ran and returned to service. All work done I/A/W Lyc. M/M or AC 43-13B I certify this engine has been inspected in accordance with a 100 hr/Annual inspection and determined to be in airworthy condition End.

Ronald E. Walker A&P/IA 1885859 *Ronald E. Walker*

WALKER AVIATION LLC

PROP

July 26 2015 Piper Warrior; N32462; PA-28-151 TACH: 477.3 hrs. SMOH

Annual Inspection completed per check list and FAR Part 43, Appendix D, Par. H. I certify that this prop has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. End.

Ron Walker IA1885859 *Ron Walker*

INSPECTION & MAINTENANCE RECORD

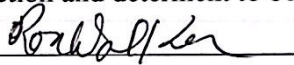
DATE

WALKER AVIATION LLC

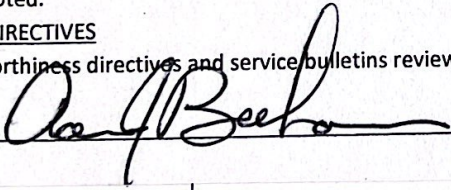
ENGINE

August 26 2016. N32462; PA-28-151; Engine Lycoming O320-E3D. SN L-45050-27A
TT.4454.0 Hrs; Tach T. 480.0; Hrs; TSMO 480.0. 100 Hr/Annual Inspection according to Piper inspection
table and/or per check list and FAR Part 43, Appendix D, Par. D. Inspection completed this date.
Compression #1 73/80; #2 60/80; #3 74/80; #4 64/80: AD 98-02-08 N/A to 150 HP engines. Installed 8
new Tempest Sparkplugs UREM 37BY, Supplied by AERO. Drained oil, replaced with 8 qt. Aeroshell
100W and one can of AV blend. Removed oil filter, and cut open found normal. Test ran and returned to
service. All work done I/A/W Lyc. M/M or AC 43-13B I certify this engine has been inspected in
accordance with a 100 hr/Annual inspection and determent to be in airworthy condition End.

Ronald E. Walker A&P/IA 1885859



INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED — AGENCY & CERTIFICATE NO.
Engine 4-14-2019	N32462 O-320-E3D S/N L-45050-27A	Tach: 492.6 Engine TSMOH: 492.6 Engine TT: 4467.4 – During annual inspection November 3, 2018 #2 & #4 cylinders were found to have low compression. Removed cylinders #2 & #4 and found cracks at exhaust ports. During inspection also found corrosion on camshaft lobes and tappets. Disassembled engine for evaluation and repair only. Engine disassembled, cleaned, inspected, and reassembled in accordance with Lycoming Direct Drive Overhaul Manual. All steel parts magnafluxed. The following parts cleaned, inspected, and repaired/overhauled by Aircraft Specialties Services, Inc. on WO #252159 & #251816: gears, lifter bodies, connecting rods, crankshaft, camshaft. Crankshaft counter bore recess complies with Lycoming 475C and crankshaft ID repaired for 150hp or less (See ASSI 8130 repair tags). Crankcase, accessory case, and oil sump all cleaned and inspected. New parts installed - major overhaul gasket set P/N SL69371-1, connecting rod bearings, SL61662A-M06, main bearings SL68763A-M10, rod bolts P/N AEL78027, rod nuts, P/N AEL12186, crank gear timing bolt, P/N SL-STD-2213 and lockplate. Installed 4 overhauled Superior cylinders, P/N SL36001. Cylinders overhauled by Harrison Engine Services on WO #15656, 15657, 15658, 15659. Reinstalled existing serviceable pistons with new ring sets P/N SL3601-SC. Reinstalled pistons using existing serviceable heavy-wall wrist pins. Magnetos overhauled by Professional Aircraft Accessories on WO #60985. Carburetor inspected, cleaned and reinstalled on engine. New oil cooler, P/N 8000075, S/N 10429655, and new fuel pump, P/N AF15472, S/N 066G07. – Engine installed on mount with 4 new Hutchinson isolators, P/N 94011-02 and new mount bolts. Bolts torqued to spec per Piper Service Manual. Reinstalled existing engine fuel and oil hoses. Pre-oiled engine per Lycoming Service Instruction No. 1241C on airframe prior to engine start. Performed initial engine ground run. With engine warm, set initial ground idle speed, and idle mixture. Performed operational and leak checks with no discrepancies noted. <u>AIRWORTHINESS DIRECTIVES</u> All applicable airworthiness directives and service bulletins reviewed/complied with during engine repair.
Aaron J. Benham		A&P 3979289

Engine
11-1-2019 N32462 Tach: 502.8 Engine TSMOH: 502.8 Engine TT: 4476.8

- Performed Annual/100 hour inspection per FAR 43, Appendix D, using Piper PA28 Inspection Checklist as a guide.
- Drained engine oil and serviced with 7 quarts of Phillips XC 20W-50M mineral oil for continued break-in. Cut up oil filter and inspected for contamination with no defects noted. Installed new AA48110-2 filter, torqued to spec and safety wired. Removed oil sump screen and inspected for contamination with no defects noted. Reinstalled with new AN900-16 gasket and safety wired.

AIRWORTHINESS DIRECTIVES *Compressions: 1-72, 2-70, 3-75, 4-75*

- AD 2017-16-11 Connecting Rod Failure. N/A. Not repaired with bushings during affected time period.
- AD 2017-14-04 Oil Cooler Hoses. Type D hoses installed. No further action required.
- AD 04-10-04 Crankshaft Gear Retaining Bolt. Complied with at overhaul. Next due at prop strike or overhaul.

All applicable AD's complied with at this time. Ground run and leak checks were good with no discrepancies noted. All work performed per Piper PA28 Cherokee Service Manual and Lycoming Direct Drive Overhaul Manual. I certify that this engine has been inspected in accordance with an Annual/100 hour inspection and was determined to be in airworthy condition at this time.

Eric A. Seber
Midwest AeroWorks, LLC

Eric A. Seber

A&P 2813778 IA
1724 E 250 N Washington, IN 47501



MIDWEST AEROWORKS
WASHINGTON, INDIANA

*2/12/2020 Tach 538.5 Oil + Filter Change 7qts XC 20w 50 Phillips 66
Engine TSMOH 538.5 Tempest Oil Filter AA48110-2 Reed Hwy 1815531 Pilot*

Engine N32462 Tach: 695.9 Hobbs: 1227.9 Engine TT: 4669.9 08/07/2020

Performed 100 hour inspection per FAR 43, Appendix D, using Piper PA28 inspection checklist as a guide.
Checked cylinder compressions cold, #1 42/80 #2 72/80 #3 74/80 #4 40/80
Drained engine oil, cleaned sump screen, removed oil filter & cut open for inspection. No discrepancies noted. Installed new 48110-1 oil filter & 7qts phillips 20w 50M oil. Drained carb bowl, cleaned fuel pump, gasculator & carb inlet screens.
Cleaned, gapped and rotated spark plugs, Torqued to spec. Retorqued rocker boxes, intake tubes and exhaust studs. Removed #1 & #4 cylinders and replaced with used serviceable Superior cylinders with approximate 250 hrs time in service using new rings & gaskets.

Engine N32462 Tach:595.1 Hobbs: 1095.5 Engine TT: 4569.1 05/28/2020

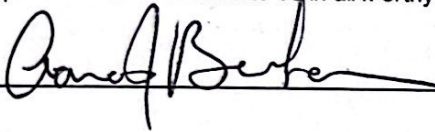
NO.

Performed 100 hour inspection per FAR 43, Appendix D, using Piper PA28 inspection checklist as a guide.
Checked cylinder compressions cold, #1 68/80 #2 70/80 #3 74/80 #4 68/80
Drained engine oil, cleaned sump screen, removed oil filter & cut open for inspection. No discrepancies noted. Installed new 48110-1 oil filter & 7qts phillips XC 20w 50 oil. Drained carb bowl, cleaned fuel pump, gasculator & carb inlet screens.
Cleaned, gapped and rotated spark plugs, Torqued to spec. Checked mag timing, reset left mag. Retorqued rocker boxes, intake tubes and exhaust studs.

AIRWORTHINESS DIRECTIVES

AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul.

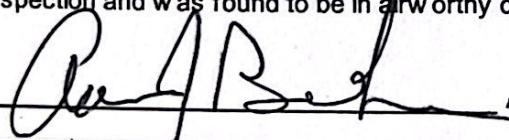
Ground run, operational & leak checks were completed, no problems found. All work performed per Piper PA28 Cherokee service manual and lycoming direct drive overhaul manual. I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

 Aaron J. Benham A&P3979289

AIRWORTHINESS DIRECTIVES

AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul.

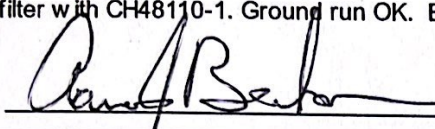
Ground run, operational & leak checks were completed, no problems found. All work performed per Piper PA28 Cherokee service manual and lycoming direct drive overhaul manual. I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition at this time.

 Aaron J. Benham A&P 3979289 IA

INSPECTION & MAINTENANCE RECORD

Engine N32462 Tach:734.0 Hobbs: 1276.0 Engine TT: 4708.0 08/23/2020

Drained oil, removed & cut open oil filter, no problems detected. Refilled engine with 7 qts Phillips 20W-50X/C oil & replaced filter with CH48110-1. Ground run OK. END

 Aaron J. Benham 3979289 A&P IA

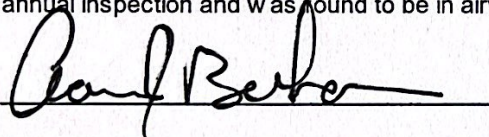
Engine N32462 Tach:788.4 Hobbs: 1345.1 Engine TT: 4762.4 10/07/2020

Performed 100 hour/ annual inspection per FAR 43, Appendix D, using Piper PA28 inspection checklist as a guide. Checked cylinder compressions hot, #1 72/80 #2 74/80 #3 72/80 #4 76/80
Drained engine oil, cleaned sump screen, removed oil filter & cut open for inspection. No discrepancies noted. Installed new AA48110-2 oil filter & 7qts phillips 20w 50 X/C oil. Drained carb bowl, cleaned fuel pump, gasculator & carb inlet screens. Cleaned, gapped and rotated spark plugs, Torqued to spec. Retorqued oil pan bolts, oil drain tubes, rocker boxes, intake tubes and exhaust studs. Checked mag timing, replaced engine air filter w/ new BA-16

AIRWORTHINESS DIRECTIVES

AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul.

Ground run, operational & leak checks were completed, no problems found. All work performed per Piper PA28 Cherokee service manual and Lycoming direct drive overhaul manual. I certify that this engine has been inspected in accordance with a 100 hour/ annual inspection and was found to be in airworthy condition at this time. END

 Aaron J. Benham A&P 3979289 IA

AIRCRAFT MAINTENANCE RECORDS

N

32462

ENGINE

LOG BOOK



AIRCRAFT MAINTENANCE RECORD Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		

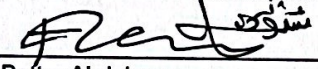
AIRCRAFT MAINTENANCE RECORD

Make /Model	Registration	Serial Number	Tachometer	HOBBS	Date	Time Since Overhaul	Time Since New
LO-320-E3 D	N32462	L-45050-27 AC	883.8	1475.6	01/15	883.8	4,857.8

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE WITH CESSNA 172S MAINTENANCE MANUAL:

1. Performed 100 Hour Inspection.
2. Compression checks as follows: 1)76/80 2)77/80 3)72/80 4)77/80.
3. Serviced with 7 quarts Aeroshell W100 Plus.
4. Replaced with new Champion Oil Filter, part number CH48110-1.
5. Serviced with Avblend Oil Additive.
6. Washed Engine.
7. AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul.

The aircraft, airframe, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with Manufacturer's maintenance manual current maintenance rules and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s).

Signed 
 Better Abdelnour
 AP3729929

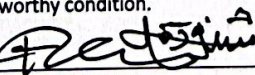


Make/Model	Registration	Serial Number	Tachometer	Hobbs	Date	Time Since Overhaul	Time Since New
O-320-E3D	N32462	L-45050-27AC	929.8	1530.8	02/21/2021	929.8	4903.8

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE WITH PA-28-151 WARRIOR MAINTENANCE MANUAL:

1. Performed 50 Hour Inspection.
2. Compression check as follows: 1) 77 2) 78 3) 77 4) 76.
3. Serviced with 7 quarts Aeroshell 100W Plus.
4. Sent oil sample to ALS Tribology for oil analysis.

I certify that this aircraft, airframe, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with manufacturer's maintenance manual, current maintenance rules, and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s) and determined to be in an airworthy condition.

Signed 
 Better Abdelnour,
 AP3729929

SUB-TOTAL THIS PAGE

TOTAL - CARRY FORWARD TO NEXT PAGE

AIRCRAFT MAINTENANCE RECORD

Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK					
------	------------	---	--	--	--	--	--

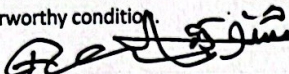


Make/Model	Registration	Serial Number	Tachometer	Hobbs	Date	Time Since Overhaul	Time Since New
O-320-E3D	N32462	L-45050-27AC	980.0	1608.9	03/26/2021	980.0	4954.0

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE WITH PA-28-151 WARRIOR MAINTENANCE MANUAL:

1. Performed 100 Hour Inspection.
2. Removed and replaced cylinder 1,2,3,4 with new millennium cylinder ref. 8130 for details
3. Serviced with 7 quarts Aeroshell 100 mineral.
4. **AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul.**

I certify that this aircraft, airframe, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with manufacturer's maintenance manual, current maintenance rules, and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s) and determined to be in an airworthy condition.

Signed 
Better Abdelnour,
AP3729929



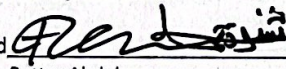
Flight Academy

Make/Model	Registration	Serial Number	Tachometer	Hobbs	Date	Time Since Overhaul	Time Since New
O-320-E3D	N32462	L-45050-27AC	1076.4	1733.5	06/21/2021	1076.4	5050.4

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE WITH PA-28-151 WARRIOR MAINTENANCE MANUAL:

1. Performed 100 Hour Inspection.
2. Compression check as follows: 1) 78 2) 79 3) 78 4) 80.
3. Serviced with 7 quarts Aeroshell 100 plus.
4. Sent oil to ALS Tribology for oil analysis.
5. **AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul.**

I certify that this aircraft, airframe, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with manufacturer's maintenance manual, current maintenance rules, and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s) and determined to be in an airworthy condition.

Signed 
Better Abdelnour,
AP3729929



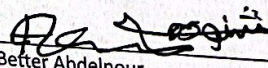
Flight Academy

Make/Model	Registration	Serial Number	Tachometer	Hobbs	Date	Time Since Overhaul	Time Since New
O-320-E3D	N32462	L-45050-27AC	1172.0	1868.6	09/25/2021	1172.0	5146.0

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE WITH PA-28-151 WARRIOR MAINTENANCE MANUAL:

1. Performed 100 Hour Inspection.
2. Compression check as follows: 1) 78 2) 78 3) 78 4) 79.
3. Serviced with 7 quarts Aeroshell 100 plus.
4. Sent oil to ALS Tribology for oil analysis.
5. **AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul.**

I certify that this aircraft, airframe, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with manufacturer's maintenance manual, current maintenance rules, and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s) and determined to be in an airworthy condition.

Signed 
Better Abdelnour,
AP3729929

AIRCRAFT MAINTENANCE RECORD

Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
------	------------	---

Registration: **N32462** Model No: **O-320-E3D** Tach: **1204.6**
 Date: **11-05-2021** Serial No: **L-45050-27AC** SMO: **1204.6**

- 1) Accomplished *annual inspection* and found that this *ENGINE* is in airworthy condition.
- 2) Compression check: cyl. #1 78/80, #2 75/80, #3 77/80, #4 75/80.
- 3) Changed oil and oil filter. Serviced with ASW100plus.
- 4) Cleaned and gapped spark plugs.

This aircraft, component and or part was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Alan Bagamaspad A&P 2264056 IA



Make/Model	Registration	Serial Number	Tachometer	Hobbs	Date	Time Since Overhaul	Time Since New
O-320-E3D	N32462	L-45050-27AC	1299.9	2041.4	01/19/2022	1299.9	5241.3

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE WITH PA-28-151 WARRIOR MAINTENANCE MANUAL:

1. Performed **100 Hour** Inspection.
2. Compression check as follows: 1) 76 2) 79 3) 79 4) 79.
3. Serviced with 7 quarts Aeroshell 100 plus.
4. Sent oil to ALS Tribology for oil analysis.
5. **AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul.**

I certify that this aircraft, airframe, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with manufacturer's maintenance manual, current maintenance rules, and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s) and determined to be in an airworthy condition.

Signed
 Mark Pearlson,
 AP3651820



Make/Model	Registration	Serial Number	Tachometer	Hobbs	Date	Time Since Overhaul	Time Since New
O-320-E3D	N32462	L-45050-27AC	1345.9	2104.5	02/24/2022	1345.9	5287.3

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE WITH PA-28-151 WARRIOR MAINTENANCE MANUAL:

1. Performed **50 Hour** Inspection.
2. Compression check as follows: 1) 79 2) 78 3) 78 4) 79.
3. Serviced with 7 quarts Aeroshell 100 plus.
4. Sent oil to ALS Tribology for oil analysis.
5. Complied with **AD 18-07-03** by visual inspection. No further action is due.

I certify that this aircraft, airframe, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with manufacturer's maintenance manual, current maintenance rules, and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s) and determined to be in an airworthy condition.

Signed
 Anthony Nercessian,
 2827749

	SUB-TOTAL THIS PAGE
	TOTAL - CARRY FORWARD TO NEXT PAGE

AIRCRAFT MAINTENANCE RECORD


Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK			
------	------------	---	--	--	--

Registration: N32462 Model No: O-320-E3D Tach: 1397.0
 Date: 4-01-2022 Serial No: L-45050-27AC SMO: 1397.0

- 1) Accomplished *100hr inspection* and found that this *ENGINE* is in airworthy condition.
- 2) Compression check: cyl. #1 77/80, #2 76/80, #3 76/80, #4 77/80.
- 3) Changed oil and oil filter. Serviced with ASW100plus.
- 4) Replaced all spark plugs with new REM38E.

This aircraft, component and or part was inspected in accordance with current Federal Aviation Regulations and is approved for return to service

Alan Bagamaspad A&P 2264056 



Make/Model	Registration	Serial Number	Tachometer	Hobbs	Date	Time Since Overhaul	Time Since New
O-320-E3D	N32462	L-45050-27AC	1446.0	1711.2	05/13/2022	1446.0	5387.4

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE WITH Piper PA28-151 MAINTENANCE MANUAL

1. Performed **50 Hour** Inspection
2. Serviced with 7 quarts Aeroshell W100 Plus
3. Sent Oil to ALS Tribology

I certify that this aircraft, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with manufacturers maintenance manual, current maintenance rules, and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s) and determined to be in airworthy condition.

Signed 

Anthony Nercessian,
Owner



Make/Model	Registration	Serial Number	Tachometer	Hobbs	Date	Time Since Overhaul
O-320-E3D	N32462	L-45050-27AC	1494.4	2302.4	07/10/2022	1494.4

COMPLIED WITH THE FOLLOWING MAINTENANCE IN ACCORDANCE PA28-151 MAINTENANCE MANUAL

1. Performed **100 Hour** Inspection
2. Compression check as follows: 1) 78 2) 78 3) 78 4) 77
3. Replaced oil filter with Tempest Oil Filter
4. Serviced with 7 quarts Aeroshell W100 Plus
5. Sent Oil to ALS Tribology
6. **AD04-10-04 Crankshaft gear retaining bolt, next due at prop strike or overhaul**

I certify that this aircraft, aircraft engine, propeller, appliance identified above was repaired and inspected in accordance with manufacturers maintenance manual, current maintenance rules, and the Federal Aviation Regulations and is approved to return to service with respect to the work performed with satisfactory operational check(s) and determined to be in airworthy condition.

Signed 

Mark Pearlson,
AP3651820

