

ENG Book #3

Engine Record General Information

Manufacturer LYCOMING Model IO-320 E2A

Serial L-32212-27A/55A Type Certificate _____

This engine is currently installed in aircraft N-11677

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____ hours

YEAR: 2006	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
OCT. 1 2006				COMPLETED MAJOR OVERHAUL THIS DATE AND TACH. ALL STEEL PARTS INSPECTED AND RETURNED TO SERVICE BY AIRCRAFT SPECIALITIES SERVICES CRS #DD2R764K. RIGHT & LEFT MAINS P/N: 10-51360-37R & P/N: 10-51360-29 OVERHAULED BY KELLY AEROSPACE CRS #UT2R226L, INSTALLED NEW HARNESS P/N: CH12360, FUEL SERVOMECHANISM FLOW DIVIDER OVERHAULED BY D&G SUPPLY CRS NK2R034L. CRANKCASE CASTING #77366, OVERHAULED BY DIVCO INC, CRS #DB2R762K. OIL COOLER OVERHAULED BY PACIFIC OIL COOLER CONT →
TACH. 2000.0				
TSMO 0.0				

Notes

TACH: 2000.0

TSMO 0.0

TT on eng 4393.1

Cur

or Repair
 DATE
 EXPECTED
 PART
 AEROSPACE
 ER
 2094L
 BY
 COLLER
 T-7

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				SERVICE INC. CR# PF3R813L. CYL'S PN: EC-05K21237A SN: 27954-5, 30485-6, 30485-7 REPAIRED BY ECI CR# A62R689K. CYL SN: 3301 OVERRALLED BY THE AIRCRAFTSMAN. REPLACED ENGINE MOUNTS PN: J6230-7. INSTALLED NEW OIL FILTER & SERVICED WITH AERO-SHELL 100WT NON DET OIL (MINERAL OIL). INSTALLED 8 NEW REM 38E SPARK PLUGS. TEST RAN ENGINE - ALL OPERATIONS NORMAL. I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/P/W A 100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <u>John M. Banta</u> 5278663-7274

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

YEAR: 2007	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE 11/1/07	2027.56			Cleaned oil screen fuel screen.
TSMO	27.56			Cleaned & Retsted tested spark plugs lubed & check travel & stop on all controls cleaned fuel Injectors.
				Insp. exhaust. Repaired lower cooling timed Mag 25° I certify this engine has is in airworthy & been Inspected I/A/W a 100h Inspection and was found to be in airworthy condition.
				Pete M Bantz AIP 3188981

YEAR:	RI TI
DATE 12/11/2007	TACH TSMO

OPERATION...

DATE...

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YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12/11/2007				I CERTIFY THIS ENGINE HAS BEEN INSP. IN ACCORDANCE WITH A 100HR ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>Tracy Gandy 527865577A</i>
TACH 2027.5				
TSMO 27.5				

OPERATOR: Erik Thomas A/C MODEL: 7KCAB S/N: 306-72 LOCATION: KFEZ
 DATE: September 1, 2011 ENGINE MODEL: IO-320 E2A
 Acft TT: 5981.5 Tach: 2027.5 A/C REG: N11677

Description: Performed Annual inspection IAW 14 CFR part 65.

I Certify that this Aircraft has been inspected with an Annual Inspection and was determined to be in an airworthy condition

Tracy Gandy
 Tracy Gandy IA 465298477

ARIZONA AVIATION

DATE: FEB 1, 2013

N11677

TACH: 2039.8

HOBBS: 6160

MAKE: BELLANCA

MODEL: 7KCAB

SERIAL No.: 306-72

ENGINE LOG

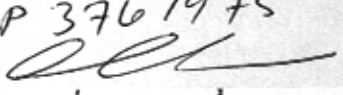
LYCOMING IO-320E2A S/N L-32212-55A


COMPLIED WITH FAR 43 (D) 100 HOUR INSPECTION. REFERENCE ARIZONA AVIATION WORK ORDER No. 11292012 FOR INSPECTION AND REPAIR DETAILS ALSO WITH LOG. COMPLIED WITH AD 2011-26-04 FUEL INJECTOR LINES IN ACCORDANCE WITH LYCOMING MSB 342E. NEXT DUE AT TACH: 2139.8. COMPLIED WITH AD 2009-02-03 FUEL SERVO. NEXT DUE TACH: 2139.8. *I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.*

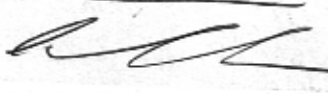
 JARROD ARCHER

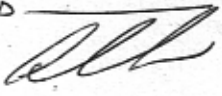
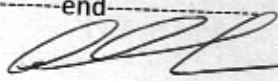
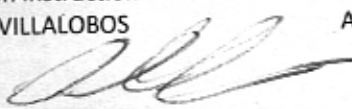
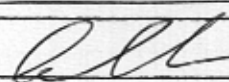
JARROD ARCHER A&P IA 3077586

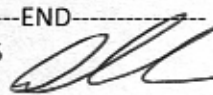

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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N11677 10-8-2015
 TACH: 0000.81
 Hobbs: 180.9
 REMOVED & REPLACED TACH OMEETER
 OLD TACH TIME WAS AS FOLLOWS
 2264.42 (264.42 HOURS SINCE
 LAST OVERHAUL WHICH WAS PERFORMED
 AT 2000.0 HOURS) NEW TACH TIME
 IS AS FOLLOWS 0000.81
 ANDRES VILLALOBOS
 A/P 3761975


N11677 TACH: 0006.31 10-22-2015
 HOBBS: 0189.0
 PERFORME 100 HOUR INSPECTION
 OF ENGINE IAW FAR 43 APPENDIX
 D AND AIRCRAFT MAINTENANCE
 MANUAL. END
 I CERTIFY THIS ENGINE HAS
 BEEN INSPECTED IAW FAR 43
 APPENDIX D AND IS IN A
 AIRWORTHY CONDITION AT THIS
 TIME. END
 ANDRES VILLALOBOS
 A/P 3761975 

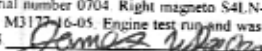
N11677 10-22-2015
 TACH: 0006.31
 HOBBS: 0189.0
 DRAINED & SERVICED OIL
 SYSTEM, REMOVED CLEANED
 AND ROTATED SPARK PLUGS.
 LEFT & RIGHT MAGS TIMED AT
 25 DEGREES BEFORE TOP DEAD CENTER
 PERFORMED COMPRESSION CHECK
 #1 CYL = 68 PSI #2 CYL = 77 PSI
 #3 CYL = 78 PSI #4 CYL = 79 PSI
 ANDRES VILLALOBOS
 A/P 3761975 

DATE	TACH OR RECORDING METER	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATION OF PERSON PERFORMING WORK
N11677 TACH: 66.77	12/21/2015 HOBBS: 66.77	COMPLIED WITH 50 HOUR INSPECTION IAW AMM CHECK LIST, DRESSED MINOR NICK'S ON PROPELLER, DRAINED OIL AND SERVICED WITH 8 QUARTS OF AEROSHELL W100, I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW 50 HOUR INSPECTION AND IS IN A ARWORTHY STATUS AT THIS TIME. <u>END</u> ANDRES I VILLALOBOS A&P3761975 
		N11677 TACH:67.17 Removed Alternator and propeller, removed broken Bolt, taped hole and installed helicoil insert, reinstalled Alternator and propeller, removed and replaced voltage Regulator with new-----end----- Andres I Villalobos A&P3761975 
	N11677 TACH : 0093.24	02-04-2016 HOBBS : 0016.1 Removed front main crank shaft seal and installed new Seal in accordance with Aircraft Maintenance Manual Engine overhaul and Maintenance manual and seal Instillation instruction -----END----- ANDRES VILLALOBOS  A&P3761975
2/15/2016	0101.15	REMOVED ENGINE DUE TO PROP STRIKE ENGINE TT: 6758.57 TSO: 0365.57 ATT: 6319.57 -----END----- ANDRES I VILLALOBOS A&P 3761975 
		

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
N11677	AFTT: 6319.94	11-21-2016 HOBBS: 0025.60 RE-INSTALLED IO-320-E2A S/N L-32212-27AC IAW AMM AFTER PROP STRIKE INSPECTION BY AIRCRAFT ENGINE SPECIALIST LLC #ZF7R728Y, INSTALLED NEW PROPELLER MODEL 74DM6S8-1-56 S/N A63747, SERVICED WITH 8 QUARTS AEROSHELL 100 MINERAL OIL, PERFORMED POST MAINTENANCE RUN, NO LEAKS DETECTED, OP'S CHECK GOOD, -----END----- ANDRES I VILLALOBOS AP3761975 
N11677	AFTT: 6319.94 TACH: 0101.52	11-21-2016 HOBBS: 0025.60 TSO: 0365.57 PERFORMED ENGINE 100 HOUR INSPECTION IAW FAR43 APPENDIX D AND AMM, ALL AD'S FOR TIS ENGINE CURRENT THRU THIS DATE 11-21-2016, SEE MASTER AD LIST, I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW 100 HOUR INSPECTION AND IS IN A AIRWORTHY STATUS AND RETURN TO SERVICE AT THIS TIME -----END----- MICHAEL SPISAK AP 3383810 IA 

08/08/2016
MODEL: IO-320-E2A
S/N: L-32212-27AC
TACH READING:

AIRCRAFT ENGINE SPECIALISTS, LLC
2330 SOUTH AIRPORT BOULEVARD, SUITE #5
CHANDLER, ARIZONA 85286
(480) 516-0390 CRS # ZF7R728Y

This engine has been repaired in accordance with the Lycoming Overhaul Manual 60294-7-14 and other FAA-approved procedures. Applicable FAA Airworthiness Directives and manufacture service bulletins have been complied with, see AD sheet. All parts have been inspected and accessories are serviceable. Engine has been converted to an IO-320-E2A from an O-320-A2B per Lycoming instructions and service letter 1304J. Crankshaft plated and 505B complied with wo 237504 pn 75066 sn A176426 complied with Service Bulletin 475C by inspection of bolt hole threads, new bolt, torque bolt to 204 inch lbs and bend lock tab. Lycoming cylinders (3), LW-12416 and (1) Superior SL32006 honed and re-ringed wo C6128-16-07. Serviceable Fuel Servo RSA-5AD1, part number 2524307-9, serial number 44417. Serviceable fuel pump LW-15473, serial number 0704. Right magneto S4LN-20, pn 10-51360-29, sn G023744 overhauled M3176-06-05 and left magneto S4LN-21, pn 10-51360-37, sn G030219 overhauled M3176-16-05. Engine test run and was found in an airworthy condition. Further details of this engine repair may be found at this facility under work order E5300-16-05  James Wheeler

PARTS USED ON WO# E5300-16-05

1	61378	SCREEN	1	SL69371-1	GASKET SET	4	SLR75906	GASKETS
1	73136	BRACKET	1	SL77806	VALVE ASSY OIL PRESS. (360)	4	ST203	RING SET - STEEL BORE
1	1028-B	BALL .6875 DIA	1	STD-1006	RING	4	STD-1196	HOSE
1	10-51360-29 OHC	MAGNETO OHC	1	STD-1211	PLUG	4	STD-1901	SCREW
1	10-51360-37 OHC	MAGNETO OHC	1	STD-1433	BOLT	4	STD-2180	HOSE
1	61155 U/S	GEAR	1	STD-2168	NUT	6	STD-2013	SEAL
1	61163 U/S	GEAR U/S	1	STD-2231	RING	8	72198	PLUG
1	61381 U/S	OIL PICKUP TUBE	1	STD-2246	SCREW	8	18M26104 M06	BEARINGS
1	61665 U/S	GEAR U/S	1	TC48110	OIL FILTER	8	SL12186	NUT
1	71610 U/S	HOOK	2	72569	BAFFLE ASSY	8	SL12892	THRUST BUTTON
1	74996 U/S	GEAR ASSY-CRNKSHFT IDLER U/S	2	AEL13884M006	Bearing	8	SL68967	TUBE, SHROUD
1	CH48110-1	FILTER	2	MS20823-8	ELBOW ASSY	8	SL72877	LIFTER (65141)
1	LW-13790 U/S	SHAFT U/S	2	SL75072	GEAR & BUSH ASSY (360)	8	SL78027	ROD BOLT
1	LW14078 U/S	WRIST PIN	3	AEL78220P001	STUD	10	SL-STD-1410	NUT
1	LW-18639	LOCKPLATE	3	LW-31H0 88	BOLT			
1	LW-18840	CAMSHAFT ASSY	4	AEL11021M006	BEARING			

END

