

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **TEXTRON LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Administration Directives and Textron Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL AEIO-540-D4A5 SERIAL NO. L-26411-48A
 DATE 4-28-98 *[Signature]*
 (AUTHORIZED REPRESENTATIVE)

TEXTRON Lycoming

652 Oliver Street
 Williamsport, PA 17701 U.S.A.

FORM NO. 777-B (REV. 3/94)

ENGINE DESCRIPTION

MANUFACTURER Textron Lycoming MODEL AEIO-540-D4A5

SERIAL NUMBER L-26411-48A DATE OF MANUFACTURE 4-28-98

RATED BHP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

Lycoming Factory Rep. said CRANKSHAFT Ser.# V53792900

Installed in this engine, However confirm # by Pulling Bol. & Look AT Flange.

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
2000-18-53	Oil-FILTER GASKET	5-18-00 155.0	A.D. 2000-18-53 NOT BY Model #	NOT APPLICABLE		O. Well 1616001 (owner)
2003-14-03	Leak-Ramjet Fuel-Pump	7-23-03	THIS Fuel-Pump NOT INSTALLED ON THIS ENGINE			O. Well 1616001 (owner)
S.B. #566	CRANK SHAFT		N/A by Ser. #			O. Well 1616001 (owner)
2011-26-04	Fuel-Injector Line's		VISUAL S.B. INSPECTION 342F	Recurring	100 Hrs.	

5

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

AIR WORTHINESS DIRECTIVE / FACTORY						AUTHORIZED SIGNATURE CERTIFICATE NO.
A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	
2000-18-52	OIL-FILTER GASKET	5-18-00 753.0	A.D. 2000-18-53 NOT BY MODEL #	APPLICABLE	No oil-filter installed	O. Well 1616001 (owner)
2003-14-03	Lear-Romex Fuel-Pump	7-27-09	This Fuel-Pump NOT INSTALLED ON THIS ENGINE			O. Well 1616001 (owner)
S.B. #566	Crack Shaft		N/A by Ser.#			O. Well 1616001 (owner)
2011-26-04	Fuel-Injector Line's		VISUAL S.B. INSPECTION 342F	Recutting	100 Hrs.	

RECORD

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
9-30-98	0	Added 12 quart Aeroshell 100 mineral oil
10-1-98	1.4	Flight Test Time. Alford & Humbird For Aviot Aircraft Inc.
12/11/98	25.0	change oil, ADD 12 QTS. Aeroshell 100 Detergent oil, ADD 1 LTR. ADD. L16702, oil sampled, Normal Results, Check for Leaks O. Webb 16/6021
1/12/99	29.0	New Tach Drive Installed by Chandler Air Service O. Webb
3/24/99	50.0	Change oil, ADD 12 QTS. Aeroshell 100 Ashless Detergent oil ADD 1 can AvBlend Oil Sample Taken, Clean Screen, Wash eng. & Cowl, CK for Leaks, CK Prof Accumulator Pressure Oil, O.K for Return to Service O. Webb 16/6021 (Owner)
7/15/99	75.0	Change Oil, 12 QTS. Aeroshell 100 ADD 1 Pint AvBlend, CK for Leaks, Wash eng. O.K. Rtn. Service O. Webb 16/6021 (Owner)
10/15/99	92.5	1) DRAINED OIL, CLEANED OIL SCREENS AND SERVICED WITH 12 QTS. AS100W. AND 1 12 OZ CAN OF AVBLEND. 2) COMPRESSION CHECK AS FOLLOWS #1(74), #2(75), #3(70), #4(74), #5(70), #6(74). 3) SPARK PLUGS WERE REMOVED, CLEANED, REGAPPED, AND REINSTALLED WITH NEW GASKETS. 4) CHECKED MAG TIMING, GOOD. 5) ALL AD'S CURRENT, THROUGH THIS DATE. 6) INSPECTED ENGINE PER 43 APPENDIX "D". I CERTIFY THAT HAS ENGINE HAS BEEN INSPECTED I.A.W. AN 100 HR INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY Ken Alford App 214-58-1316

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12/29/99	117.0	Drained oil serviced with 12 QTS. Aeroshell 100w x 1 can 12 oz. Avblend. O.K. for looks. O. Well 1616001 (owner) O.K. RTH. service
10/6/00	159.7	1) REPLACED VALVE COVER GASKETS WITH SILICON TYPE GASKETS (6 EA) RDR AVIATION INC. 502745866 IA.
10-24-00	162.0 TACH Time	

COMPRESSION

Kenneth F. Tekut
Aircraft Maintenance
602-558-5345

1.) $\frac{77}{80}$	2.) $\frac{78}{80}$	3.) $\frac{78}{80}$
4.) $\frac{78}{80}$	5.) $\frac{77}{80}$	6.) $\frac{78}{80}$

CHANGED OIL and CLEANED oil
SCREEN serviced with 12 QTS Aeroshell
100W Plus Oil, installed Rubber Nipple
ON ALTERNATOR POWER TERMINAL
R. Tekut A&P 26308016 IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10-24-00	162.0 TACH Time	
		Kenneth F. Tekut Aircraft Maintenance 602-558-5345
		I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TAG TIME <u>162.0</u> TOTAL TIME <u>162.0</u> DATE <u>10-24-00</u> <u>K. Tekut</u> 26308016 IA SIGNATURE A&P NUMBER
12-19-00	173.6	Removed Defective SKY-TEC Starter Ser.# F2P129812 model 149-12 Replaced with new SKY-TEC model 149-12 PM Ser.# F2P490010 O. Well 1616001 (owner)

FAA/PMA APPROVED

THIS STARTER WAS MANUFACTURED FROM ALL NEW
COMPONENTS IN ACCORDANCE WITH FAR 21.303(h) UNDER
AUTHORITY OF PMA NO. PQ852SW AND IS AIRWORTHY.
THIS STARTER IS FAA/PMA APPROVED AND IS ELIGIBLE FOR
INSTALLATION ON LYCOMING 235, 290, 320, 360, 540, & 541
SERIES ENGINES. ENTER STARTER MODEL, SERIAL AND DATE
OF INSTALLATION. ATTACH THIS TAG TO ENGINE LOGBOOK.

MODEL 149-12 PM SERIAL F2P490010

DATE OF INSTALLATION 12-19-2000

12-29-2000 Drained oil
Replace with 12 QTS
Aeroshell Plus 100
TACH time 180.2
O. Well 1616001 (owner)

INSPECTION & MAINTENANCE RECORD

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

4/24/01 206.3 Drained oil & Cleaned Oil-Screen serviced
with 12 QTS. Aeroshell 100 Plus oil, wash engine.
FLT. TEST No Leaks Found O.Well 16/6001 (owner)

CHANDLER AIR SERVICE
1675 E. RYAN RD.
CHANDLER, AZ., 85249

10/19/01 TACH: 230.1 TSNEW: 230.1 ENG.T.T: 230.1

- (1) DRAINED OIL, REMOVED AND INSPECTED SCREEN, SERVICED WITH 12 QTS AEROSHELL 100+, LEAK CHECKED.
- (2) COMPRESSION CHECK 1-75/80 2-77/80 3-77/80 4-76/80 5-76/80 6-75/80
- (3) REMOVED, CLEANED, GAPPED, TESTED, AND REINSTALLED SPARK PLUGS WITH NEW GASKETS
- (4) REPLACE FUEL FILTER
- (5) CHECKED MAGNETO TIMING
- (6) REPLACED RT. UPPER ENGINE MOUNT
- (7) C/W AD93-02-05 BY VISUAL INSPECTION OF FUEL INJECTOR LINES

I CERTIFY THIS ENGINE HAS BEEN INSPECTED I.A.W. AN ANNUAL INSPECTION PER FAR PART 43, APPENDIX D AND APPROPRIATE MANUFACTURERS MAINTENANCE MANUAL AND DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME. *Unstoppable A. PS 7119 391819*

INSPECTION & MAINTENANCE RECORD

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

Nov. 8 2001 236.2 Remove Bendix starting vibrator P/N 10-176487-121L
Replace with Unison Slickstart Magneto Booster system
in accordance with Slick Installation Instructions
As listed on AML No. SA593 CH. No change in weight
O.Well 16/6001 (owner)

2/4/02 255.0

Drained oil, serviced with 12 QTS. Aeroshell 100 Plus, Leak Check
Check Prop. Accumulator Press. 18 PSI O.K. O.Well 16/6001 (owner)

9-9-02 280.1

Drained oil, cleaned oil-screen, serviced with 12 QTS. Aeroshell
100 Plus, check Prop. Accum. Press 18 PSI, Leak Check O.Well 16/6001 (owner)

10-2-02 287.6

Clean Gasolator, Install new Fuel Filter O.Well 16/6001 (owner)

INSPECTION & MAINTENANCE RECORD

CHANDLER AIR SERVICE
1675 E. RYAN RD.
CHANDLER, AZ., 85249

N48AS
18 OCT 02

MODEL: AEIO-540-D4A5
TACH: 295.4

SN: L-26411-48A
TSNEW: 295.4

ENGINE TT: 295.4

- (1) DRAINED OIL, REMOVED, INSPECTED, AND INSTALLED SCREEN, SERVICED WITH 12 QTS AEROSHELL 100 PLUS/50W, LEAK CHECKED
- (2) COMPRESSION CHECK 1-78/80 2-79/80 3-77/80 4-78/80 5-77/80 6-76/80
- (3) REMOVED PLUGS, CLEANED, CHECKED GAP, TESTED, AND INSTALLED SPARK PLUGS WITH NEW GASKETS
- (4) INSPECTED FUEL SCREENS
- (5) INSPECTED FUEL & OIL SYSTEMS
- (6) REMOVED & REINSTALLED ENGINE TO COMPLY WITH AD 2002-20-51 & LYCOMING SB554
- (7) REPLACED ENGINE SHOCK MOUNTS
- (8) REMOVED AND REINSTALLED ENGINE SUMP WITH NEW GASKET
- (9) REMOVED AND REINSTALLED INTAKE TUBES WITH NEW GASKETS
- (10) REMOVED AND REINSTALLED ENGINE ACCESSORY CASE WITH NEW GASKET
- (11) REMOVED AND REINSTALLED MAGNETOS WITH NEW GASKETS
- (12) REMOVED AND REINSTALLED FUEL PUMP WITH NEW GASKET
- (13) REMOVED, INSPECTED, CLEANED, & INSTALLED OIL SUCTION SCREEN
- (14) REMOVED AND REPLACED O-RING ON OIL SUCTION HOLE SUMP PLUG
- (15) CHECKED MAGNETO TIMING
- (16) REMOVED AND REPLACED SMOKE SYSTEM HOSE L/H
- (17) AD 2002-20-51 & LYCOMING SB554 COMPLIED WITH BY REPLACEMENT OF CRANKSHAFT GEAR RETAINING BOLT WITH NEW BOLT P/N STD 2209, CONTAINED IN LYCOMING KIT # 05K19987.
- (18) ALL ADs CHECKED THRU BIWEEKLY 2002-20

I CERTIFY THIS ENGINE HAS BEEN INSPECTED I.A.W. AN ANNUAL INSPECTION PER FAR PART 43, APPENDIX D AND APPROPRIATE MANUFACTURERS MAINTENANCE MANUAL AND DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME.

STEPHEN HARTWELL, A&P5275820831A

INSPECTION & MAINTENANCE RECORD

CHANDLER AIR SERVICE
1675 E. RYAN RD.
CHANDLER, AZ., 85249

N48AS
31 JAN 03

MODEL: S-2C
MODEL: AEIO-540-D4A5

S/N: 6007
SN: L-26411-48A

TACH: 310.5
TSNEW: 310.5

AFTT: 310.5
ENGINE TT: 310.5

REMOVED, CLEANED & INSPECTED FUEL INJECTORS. CHECKED FUEL FLOW FROM INJECTOR LINES AND REINSTALLED INJECTORS. LEAK CHECK COMPLETED, AIRCRAFT RETURNED TO SERVICE.

RICKY A. WILL, 471822687A&P

7/25/03 320.1 Drained oil, serviced with 12 QTS Aeroshell 100 Plus oil, wash engine, leak check O.K. O. Dell 1/16001 Comm. (owner)
9/13/03 344.1 Drained oil, serviced with 12 QTS AEROSHELL 100 Plus, check HOB. Acculator Press. 18 PSI, cleaned oil-screen, check for leaks, O.K. Return to service, O. Dell 1/16001 (owner)
11-4-03 362.9 TACH Time

Kenneth F. Tekut
Aircraft Maintenance
602-558-5345

COMPRESSION

1.) $\frac{78}{80}$ 2.) $\frac{76}{80}$ 3.) $\frac{78}{80}$
4.) $\frac{75}{80}$ 5.) $\frac{75}{80}$ 6.) $\frac{78}{80}$

K. Tekut A&P263080161A

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11-4-03	362.9	Tech Time Replaced #2 cylinder PUSH Rod SEAL cleaned Gapped and ROTATED SPARK PLUGS Removed and cleaned FUEL INJECTORS Reinstalled and Leak Checked NORMAL. K. Tekut AEP 26308016IA
I CERTIFY THAT THIS ENGINE ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH TIME <u>362.9</u> TOTAL TIME <u>362.9</u> DATE <u>11-4-03</u> <u>K. Tekut</u> <u>26308016IA</u> SIGNATURE ASP NUMBER		
11-4-03	362.9	Drained oil serviced with 12 QTS. AeroShell 100 Plus O. Well 161607 Comm (OWNR)
5-4-04	385.2	Drained oil, clean screen, serviced with 12 QTS. AeroShell 100 Plus. Remove & clean 6mm. Spark-Plugs. Reinstall with new GASKETS. O. Well 161607 Comm. (OWNR)

Kenneth F. Tekut
Aircraft Maintenance
602-558-5345

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2004 10-5-04	410.0	Drained oil, serviced with 12 QTS. AEROSHELL 100 Plus O. Well 161607 Commercial (OWNR)
12-14-04	425.10	Tech Time Kenneth F. Tekut Aircraft Maintenance 602-558-5345
COMPRESSION 1.) $\frac{76}{80}$ 2.) $\frac{74}{80}$ 3.) $\frac{74}{80}$ 4.) $\frac{74}{80}$ 5.) $\frac{75}{80}$ 6.) $\frac{75}{80}$ CHANGED OIL and CLEANED OIL SCREEN SERVICED WITH 12 QTS AEROSHELL 100 PLUS OIL K. Tekut AEP 26308016IA		
I CERTIFY THAT THIS ENGINE ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH TIME <u>425.10</u> TOTAL TIME <u>425.10</u> DATE <u>12-14-04</u> <u>K. Tekut</u> <u>26308016IA</u> SIGNATURE ASP NUMBER		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7-1-05	448.6	Drained oil, serviced with 12 QT. AEROSHELL 100 Plus O. Well 16/6001 Comm. (Owner)

12-19-05	477.1	Tach Time
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COMPRESSION

1.) $\frac{78}{80}$	2.) $\frac{77}{80}$	3.) $\frac{76}{80}$
4.) $\frac{76}{80}$	5.) $\frac{78}{80}$	6.) $\frac{76}{80}$

Replaced all SPARK PLUGS with New Champion
REM-38E SPARK PLUGS. Repaired EXHAUST BY
#6 CYLINDER BY WELDING. REPLACED ENGINE
DRIVEN FUEL PUMP WITH OVERHAUL ASSY
P/N 41234 SERIAL NUMBER AA20339

K. Tekut AEP26308161A

Kenneth F. Tekut
Aircraft Maintenance
602-558-5345

477.1	Drained oil, serviced with 12 QT AEROSHELL 100 Plus Cleared oil - Set new O. Well 16/6001 Comm. (owner)
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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12-19-05	477.1	Tach Time N48AS I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH TIME 477.1 TOTAL TIME 477.1 DATE 12-19-05 K. Tekut SIGNATURE AEP26308161A ASP NUMBER

Kenneth F. Tekut
Aircraft Maintenance
602-558-5345

5-31-06	502.6	Tach Time Drained oil, serviced with 12 QT. AEROSHELL 100 Plus, Run-up Check for Leaks, None Found. 22 PSI O. Well 16/6001 Comm. (owner)
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11-15-06	527.7	Tach Time Drained oil, serviced with 12 QT AEROSHELL 100 Plus Check for Leaks, None Found O.K. Return to Service. O. Well 16/6001 Comm. (owner)
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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12-18-06	534.3	Tach Time N48AS
COMPRESSION		
1.) $\frac{77}{80}$	2.) $\frac{78}{80}$	3.) $\frac{78}{80}$
4.) $\frac{78}{80}$	5.) $\frac{76}{80}$	6.) $\frac{78}{80}$
Cleaned oil screen and Replaced oil Screen Gasket P/N M335769-11 and 61173 Retimed Magneto's To 22° BTc. Adjusted ALTERNATOR BELT Tension AS Required Straightened AFT CENTER Baffle support for clearance on engine case. R. Tekut AEP26308016IA		

12-18-06 534.3 Tach Time

Kenneth F. Tekut
Aircraft Maintenance
602-558-5345

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

TACH TIME 534.3
TOTAL TIME 534.3 DATE 12-18-06
R. Tekut 26308016IA
SIGNATURE REF NUMBER

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6-14-07	553.4	DRAIN o.i, Service with 12 qt. AEROSHELL 100 Plus OK. For Leaks, Non Found, O.K. Return To service. O. Well 16/6001 Com. (owner)
12-27-07	576.0	Tach Time Replaced ENGINE LOUD MOUNTS P/N J-7401-2 FLUSHED INVERTED OIL SYSTEM CHANGED OIL and Cleaned oil Screen SERVICED ENGINE WITH 12 QTs AEROSHELL 100 PLUS OIL. RUN-UP CHECKED FOR Leaks NONE NOTED. R. Tekut AEP26308016IA

Kenneth F. Tekut
Aircraft Maintenance
602-558-5345

COMPRESSION

1.) $\frac{80}{80}$ 2.) $\frac{78}{80}$ 3.) $\frac{80}{80}$
4.) $\frac{80}{80}$ 5.) $\frac{79}{80}$ 6.) $\frac{80}{80}$

R. Tekut AEP26308016IA

INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

DATE TOTAL
TIME

12-27-07 576.0

Kenneth F. Tekut
Aircraft Maintenance
602-558-5345

I CERTIFY THAT THIS ~~ENGINE~~ ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH AN ANNUAL INSPECTION AND
WAS DETERMINED TO BE IN AIRWORTHY
CONDITION

TACH I: 576.0 DATE 12-27-07
TOTAL TIME 576.0
K. Tekut 26308016TA
SIGNATURE A&P NUMBER

8-2208 601.4 DRAINED oil, serviced with 1 qt. AeroShell 100 Plus
CK. for Leaks (Non-Found) O.K. Return Service 12/1/00
S. M. S. M.



WESTERN
Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: AEIO-540-D4A5

Serial Number: L-26411-48A

Time: 605.5 Hrs. TTE

Work Order: 23208

Date: 10/28/2008

This engine was disassembled for a crankshaft change per MSB 569. All parts were cleaned and inspected. Crankshaft S/N: V53792900 was replaced with S/N: V537953174. Engine was reassembled using Lycoming Kit P/N: 05K23581, new rod and main bearings, rod bolts and nuts, and gaskets. Honed cylinders, fit new rings and installed new piston pin plugs P/N: 72198. Installed Aircraft Specialties Services, Inc. re-ground camshaft P/N: LW-13908 and lifters P/N: 72877. Complied with AD 2008-06-51 by installation of P/N: 2527758 gasket on fuel servo S/N: 70155804. No work was done to remaining accessories. Complied with AD 2002-20-51 with the installation of STD-2247 as supplied in Lycoming Kit 05K23581. Engine was run in a test cell for leak and operations check. All work was done per Lycoming Overhaul Manual 60294-7-9, Table of limits and applicable Service Bulletins.

The engine and/or component identified above was repaired and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this repair station under above work order.

Signed: [Signature]

INSPECTION & MAINTENANCE RECORD

TOTAL	INSPECTION OR MAINTENANCE PERFORMED	
 21 Creative Pl. Montrose, CO 81401 (970) 249-0232 800-575-9929 Fax: (970) 249-4155 www.westernskyways.com	Date: 6 November 2008 Tach time: 605.5 Total time: Aircraft Model: Pitts S2C #1 Engine Model: AEIO-540-D4A5 #1 Prop Model:	Reg. Number: N48AS Work Order Number: H2569 Serial Number: 6007 Serial Number: L-26411-48A Serial Number:

Removed propeller. Removed engine AEIO-540-D4A5 serial number L-26411-48A. Installed engine after repair. Serviced engine with Aeroshell 100 mineral oil. Installed propeller. Ground run, leak and operational checks good.
 Ian Dickerson
 Airframe and Powerplant 2670501 *Rp Oil*

201

6-08 615.7 TACH TIME

COMPRESSION

1.) $\frac{76}{80}$ 2.) $\frac{76}{80}$ 3.) $\frac{77}{80}$
 4.) $\frac{77}{80}$ 5.) $\frac{76}{80}$ 6.) $\frac{78}{80}$

INSPECTED FUEL INJECTOR LINES AS REQUIRED BY
 A.D. NOTE 2008-14-07 COMPLIED WITH A.D. NOTE
 2008-08-14 INJECTOR SERVO PLUG GASKET NO DETECTS

R. Likut
 AEP 26308016IA

INSPECTION & MAINTENANCE RECORD

2008	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12-6-08	615.7 Tach Time	I CERTIFY THAT THIS ENGINE ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH TIME <u>615.7</u> SINCE NEW TOTAL TIME <u>615.7</u> DATE <u>12-6-08</u> <i>R. Likut</i> <u>26308016IA</u> SIGNATURE AEP NUMBER
12-30-08	618.2	R & R #3 CYL. Bottom Spark-Plug. <i>Champion</i> <i>O. Well</i> 1616001 Comm. (owner) REM 38E
2-13-08	623.1	Removed Left Magneto For Repair Reinstalled and Adjusted Timing To 25° BTDC Run-up checked NORMAL <i>R. Likut</i> AEP 26308016IA
3-14-09	632.7	DRAINED OIL, Serviced with Aeroshell 100 mineral-oil 11 QTS. OK For Leaks Non-Found. Cleaned oil-Screen. O.K. Return to Service - <i>O. Well</i> 1616001 Comm. (owner)

Kenneth F. Likut
 Aircraft Maintenance
 602-558-5345

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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12-28-09

658.8 TACH Time

COMPRESSION

1.) $\frac{75}{80}$ 2.) $\frac{76}{80}$ 3.) $\frac{77}{80}$
 4.) $\frac{77}{80}$ 5.) $\frac{74}{80}$ 6.) $\frac{77}{80}$

CHANGED OIL SERVICED ENGINE WITH
 12 QTS AEROSHELL W100 PLUS OIL
 REPAIRED BAFFLE BY #4 CYLINDER

K. Tekut AEP 26308016IA

1-2-10

659.0 TACH TIME

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

TACH TIME 659.0
 TOTAL TIME 659.0 DATE 1-2-10
 SIGNATURE K. Tekut AEP NUMBER 26308016IA

Kenneth F. Tekut
 Aircraft Maintenance
 602-558-5345

Since New

INSPECTION & MAINTENANCE RECORD

2010

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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10-8-10

685.7

Changed oil, Serviced with 11 QTS. AEROSHELL W100 PLUS
 oil, Leak CK. O.K. B. Welch 1616001 Comm. (owner)

2011

1-28-11

692.3

Tach Time

COMPRESSION

1.) $\frac{77}{80}$ 2.) $\frac{75}{80}$ 3.) $\frac{78}{80}$
 4.) $\frac{78}{80}$ 5.) $\frac{78}{80}$ 6.) $\frac{77}{80}$

Cleaned and Gapped SPARK PLUGS
 Oil and Oil Filter NOT changed AT this Time
 K. Tekut AEP 26308016IA

1-29-11

692.3

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

TACH TIME 692.3
 TOTAL TIME 692.3 DATE 1-28-11
 SIGNATURE K. Tekut AEP NUMBER 26308016IA

Kenneth F. Tekut
 Aircraft Maintenance
 602-558-5345

Since New

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/16/11	710.7	CHANGED OIL Serviced with 12 QTS. AEROSHELL W100 Plus Clean-Screen, CK. For Leaks Non-Found O. Well Comm. 1616001 (owner)
8/23/11	715.3	Inspected Fuel Injection line 3 IN ACCORDANCE WITH A.P. 2008-14-07 O. Well Comm. 1616001 (owner)
12/17/11	736.0	CHANGED OIL Serviced with 12 QTS. AEROSHELL W100 Plus, CK. For Leaks Non-Found. O. Well Comm. 1616001 (owner)

2012

2-8-12 740.8

COMPRESSION

1.) $\frac{76}{80}$ 2.) $\frac{77}{80}$ 3.) $\frac{79}{80}$ 4.) $\frac{78}{80}$ 5.) $\frac{79}{80}$ 6.) $\frac{79}{80}$

Replaced 5 EACH LOWER SPARK PLUGS REM-38E
IN #1, 2, 3, 4, and 5 CYLINDERS. REPAIRED EXHAUST
STACK BY WELDING SMALL CRACK AT #6 ELBOW
COMPLIED WITH A.D. NOTE 08-14-07 FUEL INJECTION
LINES NO DEFECT NOTED.

Kenneth F. Tokut
Aircraft Maintenance
602-558-5345

K. Tokut
AEP 263080161A

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2012		
2-8-12	740.8	I CERTIFY THAT THE AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH TIME 740.8 TOTAL TIME 740.8 DATE 2-8-12 K. Tokut 263080161A SIGNATURE AEP NUMBER

Kenneth F. Tokut
Aircraft Maintenance
602-558-5345

7-23-12 760.3 changed oil serviced with 12 QTS. AEROSHELL W100
Plus, Clean Oil-Screen, CK. For Leaks Non-Found
O. Well Comm. 1616001 (owner)

2013

3-5-13 777.6 Tach Time

COMPRESSION

1.) $\frac{76}{80}$ 2.) $\frac{76}{80}$ 3.) $\frac{77}{80}$ 4.) $\frac{77}{80}$ 5.) $\frac{76}{80}$ 6.) $\frac{76}{80}$

K. Tokut AEP 263080161A

2013

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3-5-13	777.6 Tach Time	DRAINED OIL and CLEANED OIL SCREEN SERVICED ENGINE WITH 11 QTS AEROSHELL W 100 PLUS OIL Complied with A.D. 08-14-07 FUEL INJECTOR LINES NO DEFECT NOTED at this TIME SERVICED Propeller ACCUMULATOR TO 21 PSI NITROGEN R. Tekut A&P 26308016IA I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH TIME <u>777.6</u> TOTAL TIME <u>777.6</u> DATE <u>3-5-13</u> SIGNATURE <u>R. Tekut</u> A&P NUMBER <u>26308016IA</u> Kenneth F. Tekut Aircraft Maintenance 602-558-5345
2-14-14	802.9	DRAINED OIL and CLEANED OIL SCREEN SERVICED ENGINE WITH 11 QTS. AEROSHELL 100 PLUS CORRAL 16/6001 (owner)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
04 April 2014	N48AS 1998 Pitts S-2C Airframe Serial # 6007 Tach and Total Time 804.8	Engine: Lycoming Model AEIO-540-D4A5 Serial # L-26411-48A Engine Total Time 804.8 Following maintenance completed at Annual Inspection: Performed compression test at 80 psi: #1 76, #2 77, #3 77, #4 78, #5 77, #6 77. Complied with the following Airworthiness Directives: AD 2011-26-04 and Lycoming MSB342F by inspecting fuel injector lines and clamps per MSB Diagram # 21, no defects noted, next due at Tach 904.8 or next Annual Inspection. See Airworthiness Directive lists for complete AD compliance information. Ground ran engine no leaks noted at this time. --END-- I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition. <u>Bradley R. Power</u> Bradley R. Power A&P34074651A
04 April 2014	N48AS 1998 Pitts S-2C Airframe Serial # 6007 Tach and Total Time 804.8	Engine: Lycoming Model AEIO-540-D4A5 Serial # L-26411-48A Engine Total Time 804.8 Replaced spark plugs with 12 each new Champion REM38E spark plugs--END-- <u>Bradley R. Power</u> Bradley R. Power A&P34074651A
5-1-15	878.4	TACH READS: 878.4. CLEANED, CHECKED, REINSTALLED SPARK PLUGS, DRAINED OIL, REPLENISHED WITH 11 QTS PHILLIPS XC 20/50. CHECKED OIL SCREEN. O/W AD 08-14-07 BY INSP. SERVICED PROP. ACCUMULATOR TO SPEC'S. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN THE "ANNUAL INSPECTION" AND HAS BEEN FOUND TO BE AIRWORTHY. CF 1819307 AHP/IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6/30/16	955.9	CHECKED OILS, DRAINED OIL, REPLACED w/ Phillips 20W50. CHECKED SPARKED PLUGS + PISTONS. CHECKED COMPRESSION AS FOLLOWS: #1- #2- #3- #4- #5- #6- C/W AD 0814-07 BY INSPECTION. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW THE "ANNUAL INSPECTION" AND WAS FOUND TO BE AIRWORTHY. J. Jensen AIP 1819307 IA
7-17	977.4	C/W AD-2011-26-04 Injection Lines & clamps by inspection. 1) 7/80 2) 7/80 3) 7/80 4) 7/80 5) 7/80 6) 7/80 Lubed all controls. Cleaned & Gapped spark plugs. I certify this Engine has been inspected IAW A 100 hr inspection and was Determined Airworthy this Date J. Jensen 526715899 AIP

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
July 1, 2018	TACH 102016	C/W AD 2011-26-04 injection fuel lines & clamps. Changed oil, added 11gts Phillips 20W-50 XC. Checked oil screen. Checked compression: #1 77/80, #2 76/80, #3 74/80, #4 78/80, #5 76/80, #6 73/80. Cleaned and gapped spark plugs. Tested engine run-up, no oil leaks. I certify that this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition. Jung Jensen 2688371 IA
4/23/19	1068.80	50 hr oil change. Added 11gts Phillips 20W-50 XC oil Engine run-up, good, no oil leaks. Jung Jensen 2688371 IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE
7-10-19	1070.7	Completed 100 hr inspection. Changed oil added	
TTSN	1070.7	11 qts Phillips 20W-50 XC oil. Cleaned oil screen. Checked compression: #1 78/80, #2 76/80, #3 77/80, #4 77/80, #5 78/80, #6 77/80. Checked timing. C/w AD 11-26-04 fuel injection lines. Cleaned and gapped ^{AD 15-19-07} spark plugs. Engine run up, good, no oil leaks, I certify that this engine has been inspected in accordance with a 100hr inspection/ annual inspection and was determined to be in airworthy condition. Jerry Jensen 2688371 IA	

Ray's Aviation PO Box 887 Santa Paula, CA 93061 805.525.4352
 Reg#: N48AS Make: LYCOMING Model: AEIO-540-D4A5 S/N: L-26411-48A
 Date: 12/5/2019 Tach/Hobbs: 1077.5 Total Time: 1077.5
 Removed and reinstalled left and right magneto s/n 98012028 and s/n 98031605 for
 500 hour inspection by Aero Accessories WO# 48796 and 48797. Changed oil and
 serviced with 11 qt of Aeroshell 100W PLUS. Engine was ground ran and leak checked
 per mfr. specs. I certify that this aircraft and components have been inspected,
 repaired and maintained in accordance with current manufactures data, guidance and
 Federal Aviation Regulations and was returned to service only for the work performed.
 Ray Maxon A&P 3379501 IA

Ray

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
9-14-20	1072.8	DRAIN OIL, REFILL 11 QTS. A/SHELL 6/100 P205.
Camp. CK.	1.78/80 2.78/80 3.78/80 4.79/80 5.79/80 6.78/80	INSPECT PLUGS, CK MAG TIMING, CK SERVO SCREEN. MFR + REPL. - 2 III NOSE FROM FUEL DISTRIBUTOR TO F/W. REMOVED WRENCH FROM OIL COOLER DUCT. ENG. RUN, OPS + LK CK OK. I CERTIFY THIS ENGINE HAS BEEN INSP. I/HW AN 100 HR. INSP. + DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE.
10/1/2021	Compressions 1 78/80 2 77/80 3 75/80 4 78/80 5 79/80 6 77/80	Replaced engine installation to include prop and tail fin. Part 43 APP W. I certify I have inspected this engine for airworthiness and will sign off on inspection and it was determined to be in airworthy condition. David D. Smith AP3209697AI

10/1/2021 Compressing 1^{78/80} 2^{77/80} 3^{75/80} 4^{78/80} 5^{79/80} 6^{77/80} All rings and
piston pin installation to include proper end-to-end
torque Part 43 APP W. & Part 11. I have inspected
this engine for accuracy and will begin manual
inspection and it was determined to be
in an airworthy condition

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10/18/82	1089.1	COMPRESSION #1 7/80 #2 7/80 #3 7/80 #4 7/80 changed oil refill parts washed 15W50. INSPECTED ENGINE TO INCLUDE SCOPE AND DETAIL FOUND EAR 43 APP "D". certify as have inspected this engine in accordance with our approved repair and maintenance standards to be in an airworthy condition <i>[Signature]</i> 01 320 1089/1

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED SC #5 77/80 #6 78/80 #7 79/80 #8 80/80 AGENCY & CERTIFICATE NO.
10/18/82 TCH 1088.1		COMPRESSION #1 78/80 #2 77/80 #3 78/80 #4 78/80 Change oil oil refill parts washed 15450. INSPECTED ENGINE TO INCLUDE SCOPE AND DETAIL FOR FAR 43 APP "D". I certify I have inspected this engine in accordance with the requirements of the inspection and it is determined to be in satisfactory condition. <i>[Signature]</i> A1 3209697AF
3/23/84 1088.3		COMPRESSION #1 78/80 #2 78/80 #3 78/80 #4 78/80 #5 77/80 #6 78/80 INSPECTED ENGINE TO INCLUDE SCOPE AND DETAIL FOR PART 43 APP. D I certify I have inspected this engine in accordance with the requirements of the inspection and it is determined to be in satisfactory condition. <i>[Signature]</i> A1 3209697AF