

The Standard
 ENGINE LOG

ASA-SE-2

06-03-2022 HOBBS 421.2 AFTT 3511.0 BEECH BA-60 S/N P-212

LEFT PROP	HARTZELL HC-F3YR-2UF	S/N DA1645A
RIGHT ENGINE	LYCOMING TIO 541 E1C4	S/N L-1070-59
RIGHT PROP	HARTZELL HC-F3YR-2UF	S/N DA1649A

I certify this ENGINE per FAR 43 appendix D in accordance with a 100 HOUR INSPECTION & has been determined to be in airworthy condition.
William J. Halpin A&P3552575 

09-29-2022 HOBBS 478.3 AFTT 3568.1 BEECH A-60 S/N P-212

LEFT ENGINE LYCOMING TIO 541 E1C4 S/N L-1174-59
ENGINE TSMO 544.5 ENGINE TT 3568.1

LEFT PROP	HARTZELL HC-F3YR-2UF	S/N DA1645A
RIGHT ENGINE	LYCOMING TIO 541 E1C4	S/N L-1070-59
RIGHT PROP	HARTZELL HC-F3YR-2UF	S/N DA1649A

Drained oil removed oil filter, cut and insp. Serviced with 11 QTS Aeroshell 15W50 oil & new CH48109-1 oil filter.

William J. Halpin A&P3552575

and Certificate Number of
es for other specific entries.)

08-01-2023 HOBBS 535.8 AFTT 3625.6 BEECH A-60 N98KA S/N P-212

LEFT PROP	HARTZELL HC-F3YR-2UF	S/N DA1645A
RIGHT ENGINE	LYCOMING TIO 541 E1C4	S/N L-1070-59
RIGHT PROP	HARTZELL HC-F3YR-2UF	S/N DA1649A

Cleaned engine. Drained oil removed oil filter, cut and insp. Preformed compression test cold 1) 78/80 2) 78/80 3) 78/80 4) 79/80 5) 79/80 6) 78/80. Borescoped cylinders. Removed, cleaned, gapped, tested & installed spark plugs. Checked ignition timing. Checked & lubed engine controls. Removed and installed lifters with B&B lifters per STC SE01716SE using new gaskets and seals. Serviced with 11 QTS Aeroshell 15W50 oil, Cam Guard treatment and new CH48109-1 oil filter. Test ran & leak checked. Checked for new AD'S.

I certify this ENGINE per FAR 43 appendix D in accordance with a 100 HOUR INSPECTION & has been determined to be in airworthy condition.
William J. Halpin A&P3552575 

06/24/2024 N98KA HOBBS 580.0

Changed oil and filter and replaced with Aeroshell 15/50 and new filter.

Roger A. Burnham A&P 3909963

LA QUINTA AIR SERVICES INC.
LH ENGINE LOGBOOK ENTRY
N98KA 12/1/19 HOBBS TIME: 380.4 HOURS
LYCOMING TIO-541-E1C4, S/N L-117459

COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK CYLINDER #1 77/80 #2 77/80 #3 78/80 #4 77/80 #5 78/80 #6 76/80. CHANGED THE OIL AND OIL FILTER. ADDED 13 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER AND SUMP SCREEN FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. CHECKED THE MAGNETO TIMING TO 20 DEGREES BTC. REPLACED ALL SPARK PLUGS WITH NEW CHAMPION RHB32E PLUGS. CLEANED, INSPECTED AND REINSTALLED THE INDUCTION AIR FILTER. REMOVED AND REINSTALLED THE PROPELLER HARTZELL HC-F3YR-2UF, S/N DA1645A IN REFERENCE TO HAWKER BEECHCRAFT MODEL A 60 M.M. SECTIONS 30-60-00 (BRUSHES) AND 61-00-00 (R&R) AND THE HARTZELL PROPELLER OWNER'S MANUAL 115N, "R" FLANGE PROCEDURES, FOR OVERHAUL PERFORMED BY "OTTOSEN PROPELLER AND ACCESSORIES, INC.", PHOENIX, AZ. REPLACED THE GENERATOR DRIVE BELTS WITH NEW. DESLUGED THE FORWARD INTERNAL CRANKSHAFT. ALL A.D.'S COMPLIED WITH AT THIS TIME. WASHED THE ENGINE. RUN UP AND OPERATIONAL / LEAK CHECKS PERFORMED.....continues next page.....

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Date 12-1-19
Airframe Total Time 3470.2 Hour Meter 380.4
Engine Total Time 3413.1 Engine T.S.M.O.H. 381.7
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be In Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Carmel W.O. 5053
LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

Inspections, Tests, Repairs and Alterations
Used with Name, Rating and Certificate Number of
Facility. (See back pages for other specific entries.)

Left Engine : TIO-541-E1C4. Registration : N98KA Tach time : Hobbs : 396.7

Date : 04/08/2021 Serial number : L-1174-59 Tach time: 3486.5

Completed an annual inspection , Removed and replaced 11 quarts Aeroshell 15W-50, removed and replaced oil filter 48109-1 ,Cut open old filter No anomalies found, performed compression test 1. 78/80 2.78/80 3. 78/80 4. 76/80 5.76/80 6. 78/80 ,Inspected and gapped spark plugs, Performed operational run up, I hereby certify this aircraft has been inspected IAW Annual/100hour inspection requirements per FAR 43 appendix D and has been determined to be in airworthy condition.

James Carmel
A&P I/A 3714244

YEAR:	RECORDING TACH TIME	TODAYS 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				

LA QUINTA AIR SERVICES INC.
LH ENGINE LOGBOOK ENTRY
N98KA 10/13/18 HOBBS TIME: 340.8 HOURS
LYCOMING TIO-541-E1C4, S/N L-117459

COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK CYLINDER #1 78/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 78/80. CHANGED THE OIL AND OIL FILTER. ADDED 11 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER AND SUMP SCREEN FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. CHECKED THE MAGNETO TIMING TO 20 DEGREES BTC. CLEANED, INSPECTED, REGAPPED AND ROTATED ALL SPARK PLUGS. INSPECTED AND RESAFETIED THE FUEL SERVO SCREEN. REPLACED THE INDUCTION AIR FILTER WITH A NEW FILTER P/N P108700. RESEALED THE CYLINDER #2 EXHAUST VALVE OIL FLEX HOSE ATTACH FITTING DUE TO LEAKAGE ON THE EXHAUST RISER PIPE. WASHED THE ENGINE. ALL A.D.'S COMPLIED WITH AT THIS TIME. ENGINE RUN UP AND OPERATIONAL / LEAK CHECKS PERFORMED.....continues next page.....

Date 10-13-18
Airframe Total Time 3430.6 Hour Meter 340.8
Engine Total Time 3373.5 Engine T.S.M.O.H. 342.1
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be in Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Currier W.O. 4875
LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

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.)

LA QUINTA AIR SERVICES INC.
LH ENGINE LOGBOOK ENTRY
N98KA 8/30/19 HOBBS TIME: 371.0 HOURS
LYCOMING TIO-541-E1C4, S/N L-1174-59

CHANGED THE OIL AND OIL FILTER. ADDED 11 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. ENGINE RUN UP AND OIL LEAK CHECKS PERFORMED.

Signed James Currier W.O. # 5029
FAA Repair Station LQ6R171N
LA QUINTA AIR SERVICES INC.
THERMAL, CA 92274

YE

LA QUINTA AIR SERVICES INC.
LH ENGINE LOGBOOK ENTRY
N98KA 9/14/17 HOBBS TIME: 298.8 HOURS
LYCOMING TIO-541-E1C4, S/N L-117459

COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK CYLINDER #1 78/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 78/80. CHANGED THE OIL AND OIL FILTER. ADDED 12 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER AND SUMP SCREEN FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. CHECKED THE MAGNETO TIMING TO 20 DEGREES BTC. CLEANED, INSPECTED, REGAPPED AND ROTATED ALL SPARK PLUGS. INSPECTED AND RESAFETIED THE FUEL SERVO SCREEN. INSPECTED AND CLEANED THE INDUCTION AIR FILTER, REINSTALLED. ALL A.D.'S COMPLIED WITH AT THIS TIME. ENGINE RUN UP AND OPERATIONAL / LEAK CHECKS PERFORMED.

Date 9-14-17
Airframe Total Time 3388.6 Hour Meter 298.8
Engine Total Time 3331.5 Engine T.S.M.O.H. 300.1
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be in Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Currier W.O. 4678

LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

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YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

LA QUINTA AIR SERVICES INC.
LH ENGINE LOGBOOK ENTRY
N98KA 12/2/17 HOBBS: 318.8 HOURS
LYCOMING TIO-541-E1C4, S/N L-1174-59

CHANGED THE OIL AND OIL FILTER. ADDED 11 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. ENGINE RUN UP AND OIL LEAK CHECKS PERFORMED.

Signed James Currier W.O. # 4740
FAA Repair Station LQ6R171N
LA QUINTA AIR SERVICES INC.
THERMAL, CA 92274

Date 9-4-15
Airframe Total Time 3313.7 Hour Meter 223.9
Engine Total Time 3256.6 Engine T.S.M.O.H. 225.2
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be in Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Currier W.O. 4335

LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

LA QUINTA AIR SERVICES INC.
LH ENGINE LOGBOOK ENTRY
N98KA 9/1/16 HOBBS TIME: 256.7 HOURS
LYCOMING TIO-541-E1C4, S/N L-117459

COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK CYLINDER #1 76/80 #2 75/80 #3 74/80 #4 74/80 #5 76/80 #6 76/80. CHANGED THE OIL AND OIL FILTER. ADDED 12 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER AND SUMP SCREEN FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. CHECKED THE MAGNETO TIMING. CLEANED, INSPECTED, REGAPPED AND ROTATED ALL SPARK PLUGS. REPLACED ALL ROCKER COVER GASKETS WITH NEW SILICONE "REAL GASKETS" P/N RG-76036 IN ACCORDANCE TO THE INSTRUCTIONS PROVIDED WITH THE NEW GASKETS. INSPECTED AND RESAFETIED THE FUEL SERVO SCREEN. INSPECTED AND CLEANED THE INDUCTION AIR FILTER, REINSTALLED. ENGINE RUN UP AND OPERATIONAL/ LEAK CHECKS PERFORMED.....continues next page.....

Inspections, Tests, Repairs and Alterations
with Name, Rating and Certificate Number of
Facility. (See back pages for other specific entries.)

Date 9-1-16
Airframe Total Time 3346.5 Hour Meter 256.7
Engine Total Time 3289.4 Engine T.S.M.O.H. 258.0
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be in Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Currier W.O. 4513

LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

LA QUINTA AIR SERVICES INC.
LEFT ENGINE LOGBOOK ENTRY
N98KA 11/7/16 HOBBS TIME: 285.0 HOURS
LYCOMING TIO-541-E1C4, S/N L-1174-59

CHANGED THE OIL AND OIL FILTER. ADDED 10 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. ENGINE RUN UP AND OIL LEAK CHECKS PERFORMED.

Signed James Currier W.O. # 4555
FAA Repair Station LQ6R171N
LA QUINTA AIR SERVICES INC.
THERMAL, CA 92274

Inspections, Tests, Repairs and Alterations
with Name, Rating and Certificate Number of
Facility. (See back pages for other specific entries.)

LH ENGINE LOGBOOK ENTRY
N98KA 9/12/14 HOBBS TIME: 183.6 HOURS
LYCOMING TIO-541-E1C4, S/N L-117459

COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK CYLINDER #1 74/80 #2 72/80 #3 74/80 #4 74/80 #5 73/80 #6 75/80 . CHANGED THE OIL AND OIL FILTER. ADDED 11 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. REPLACED ALL SPARK PLUGS WITH NEW CHAMPION RHB32E PLUGS. CLEANED THE INDUCTION AIR FILTER, INSPECTED AND REINSTALLED. ALL A.D.'S COMPLIED WITH AT THIS TIME. WASHED THE ENGINE. ENGINE RUN UP AND OPERATIONAL CHECKS PERFORMED.

Date 9-12-14
Airframe Total Time 3273.4 Hour Meter 183.6
Engine Total Time 3216.3 Engine T.S.M.O.H. 184.9
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be In Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Currier W.O. 4149
LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

LA QUINTA AIR SERVICES INC.
LEFT ENGINE LOGBOOK ENTRY
N98KA 4/28/15 HOBBS TIME: 211.1 HOURS
LYCOMING TIO-541-E1C4, S/N L-1174-59

CHANGED THE OIL AND OIL FILTER. ADDED 11 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER FOR CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ. ENGINE RUN UP AND OIL LEAK CHECKS PERFORMED.

Signed James Currier W.O. # 4294
FAA Repair Station LQ6R171N
LA QUINTA AIR SERVICES INC.
THERMAL, CA 92274

LH ENGINE LOGBOOK ENTRY
N98KA 9/4/15 HOBBS TIME: 223.9 HOURS
LYCOMING TIO-541-E1C4, S/N L-117459

COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK CYLINDER #1 76/80 #2 76/80 #3 76/80 #4 76/80 #5 76/80 #6 76/80. CHANGED THE OIL AND OIL FILTER. ADDED 12 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER FOR CONTAMINATES, CHECKED NORMAL. CHECKED THE MAGNETO TIMING. CLEANED, INSPECTED, AND ROTATED ALL SPARK PLUGS. INSPECTED AND CLEANED THE INDUCTION AIR FILTER, REINSTALLED. INSPECTED AND RESAFETIED THE FUEL SERVO SCREENS. ALL A.D.'S COMPLIED WITH AT THIS TIME. WASHED THE ENGINE, RUN UP AND OPERATIONAL CHECKS PERFORMED.....continues next page.....

LA QUINTA AIR SERVICES INC.
LEFT ENGINE LOGBOOK ENTRY
N98KA 2/7/13 HOBBS TIME: 124.5 HOURS
LYCOMING TIO-541-E1C4, S/N L-1174-59.

CHANGED THE OIL AND OIL FILTER. INSPECTED THE OLD OIL FILTER FOR
CONTAMINATES, CHECKED NORMAL. OIL ANALYSIS SAMPLE SUBMITTED TO
"LOA" OF PHOENIX, AZ. ADDED 11 QUARTS OF AEROSHELL 15W-50
MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER.
ENGINE RUN UP AND OIL LEAK CHECKS PERFORMED.

Signed James Currier W.O. # 3882

FAA Repair Station LQ6R171N
LA QUINTA AIR SERVICES INC.
THERMAL, CA 92274

YEAR:	RECORDING TACH TIME	TODAYS 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.)
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LA QUINTA AIR SERVICES INC.
N98KA 8/1/12 HOBBS TIME: 96.3 HOURS
LH ENGINE LOGBOOK ENTRY
LYCOMING TIO-541-E1C4, S/N L-1174-59

COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK CYLINDER #1 77/80
#2 78/80 #3 78/80 #4 76/80 #5 76/80 #6 76/80. CHANGED THE OIL AND OIL FILTER.
ADDED 12 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY OIL AND INSTALLED
ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED THE OLD OIL FILTER FOR
CONTAMINATES, CHECKED NORMAL. CHECKED THE MAGNETO TIMING.
CLEANED, INSPECTED AND ROTATED ALL SPARK PLUGS. ALL A.D.'S COMPLIED
WITH AT THIS TIME. ENGINE RUN UP AND OPERATIONAL CHECKS PERFORMED.

Date 8-1-12
Airframe Total Time 3186.1 Hour Meter 96.3
Engine Total Time 3129.0 Engine T.S.M.O.H. 97.6
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be in Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Currier W.O. 3798

LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

YEAR:	RECORDING TACH TIME	TODAYS 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.)
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LA QUINTA AIR SERVICES INC.
LH ENGINE LOGBOOK ENTRY
N98KA 8/22/13 HOBBS TIME: 133.1 HOURS
LYCOMING TIO-541-E1C4, S/N L-117459

COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK CYLINDER
#1 78/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 78/80. CHANGED THE OIL AND
OIL FILTER. ADDED 11 QUARTS OF AEROSHELL 15W-50 MULTIVISCOSITY
OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER. INSPECTED
THE OLD OIL FILTER FOR CONTAMINATES, CHECKED NORMAL. CLEANED,
REGAPPED AND ROTATED ALL SPARK PLUGS. CHECKED THE MAGNETO
TIMING. COMPLIED WITH A.D. 84-26-02 BY REPLACEMENT OF THE INLET
AIR FILTER WITH A NEW P/N P108700 FILTER. ENGINE RUN UP AND
OPERATIONAL CHECKS PERFORMED.

Date 8-22-13
Airframe Total Time 3222.9 Hour Meter 133.1
Engine Total Time 3165.8 Engine T.S.M.O.H. 134.4
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be in Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Currier W.O. 3941

LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

YEAR:	RECORDING TACH TIME	TODAYS 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				

Advanced Aircraft Service

8622 Gibbs Dr.

San Diego, CA. 92123

858-560-7599 Fax 858-560-7507

CESSNA SERVICE CENTER

Date: 2/17/09 N# : 98KA S/N: P212

Left Eng: TIO-541-E1C4 S/N: L-1174-59

Tach: Hobbs: 0010.3 Eng. TT: 3043.0 TTSMOH: 19.4

Routine maintenance and Annual Inspection completed. Compressions as follows: #176/80 #2 74/80 #3 78/80 #4 77/80 #5 76/80 #6 76/80.

Changed oil and filter, serviced with 12 qts. AS15W50WT. Took oil samples. C/W AD 2008-08-14 fuel servo hex plug. Cleaned fuel screens. Retimed magnetos.

Cleaned spark plugs. Ground run and leak checked.

This Airframe / Engine has been inspected I/A/W FAR Part 43 Appendix D. using Current Aircraft Maintenance Manual as a guide to complete an Annual 100-hr Inspection, and was determined to be in an airworthy condition at this time.

END

IA570840740

YEAR:	RECORDING TACH TIME	TODAYS 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				

LA QUINTA AIR SERVICES INC.

N98KA 3/25/10 TS10-541-E1C4 S/N LEFT ENGINE: L-1174-59 HOBBS TIME: 37.9 HOURS
COMPLETED AN ANNUAL INSPECTION. COMPRESSION CHECK ALL CYLINDERS 76/80.
CHANGED THE OIL AND OIL FILTER. ADDED 12 QUARTS OF AEROSHELL 15W-50
MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER.
INSPECTED THE OLD OIL FILTER FOR CONTAMINATES. CHECKED NORMAL. CHECKED
THE MAGNETO TIMING. ADJUSTED THE RIGHT MAGNETO FROM 18 DEGREES BTC TO 20
DEGREES BTC. CLEANED AND ROTATED ALL SPARK PLUGS. CLEANED AND INSPECTED
THE INDUCTION AIR FILTER. C.W. PRECISION AIRMOTIVE A.D. 2009-02-03 (k)(l) BY
REPLACEMENT OF THE FUEL INJECTION SERVO PLUG GASKET I.A.W. M.S.B. NO. PRS-107
R4, A NEW GASKET P/N 2577258 IS INSTALLED. ENGINE RUN UP AND OPERATIONAL
CHECKS PERFORMED.

Date 3-25-10
Airframe Total Time 3127.7 Hour Meter 37.9
Engine Total Time 3070.6 Engine T.S.M.O.H. 39.2
I Certify That This ENGINE Has Been Inspected
In Accordance With AN ANNUAL
Inspection And Was Determined To Be in Air Worthy Condition
See Supplemental A/C Logs For Pertinent Details Of This Inspection
Signature James Camer W.O. 3431

LA QUINTA AIR SERVICES INC.
FAA REPAIR STATION NO. LQ6R171N

LA QUINTA AIR SERVICES INC.

N98KA 3/18/08 HOBBS TIME: 1388.2 HOURS

COMPRESSION CHECK LEFT HAND ENGINE: CYLINDER #1 76/80 #2 78/80 #3 78/80 #4 78/80
#5 76/80 #6 76/80. CHANGED THE OIL AND OIL FILTER. ADDED 13 QUARTS OF AEROSHELL
15W-50 MULTIVISCOSITY OIL AND INSTALLED ONE NEW CHAMPION CH48109-1 FILTER.
OIL ANALYSIS SAMPLE SUBMITTED TO "LOA" OF PHOENIX, AZ.. WASHED THE ENGINE.
RUN UP AND OIL LEAK CHECKS PERFORMED.

Signed James Currier W.O. # 3019

FAA Repair Station LQ6R171N

LA QUINTA AIR SERVICES INC.

THERMAL, CA 92274

Tach: Hobbs: 0010.3

Eng. TT: 3043.0

TTSMOH: 19.4

#5 7/6/80 #6 7/6/80. CHANGED THE OIL AND OIL FILTER. ADDED 12 QUARTS OF APPROX. (tries.)

Columbia River Air Repair, Inc. 1400 Airport Way, Hermiston, OR 541-567-1417

Date: 7/24/08

Tach: 5.3

Removed Sky-Tec starter, Model 149-24HT, SN F4M-360703, from left engine and installed new Sky-Tec starter, Model 149-24HT, SN F4M-210707. System functioned properly.



Denny Nave 544582906IA

YEAR:	RECORDING TACH TIME	TODAYS 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				
				Date 10/24/07 Hobbs 1383.1 Installed overhauled engine from Firewall Forward on N98KA. Ground run engine. Adjusted idle speed. Found and fixed oil leak on cyl. #6 exhaust valve rod tube housing (cracked) by replacement. Ground run again, checked good. Firewall Forward mech (Tn) adjusted governor and intercooler installation. EWS Jack by 62548759 AJP

DATE: 11/16/07 Hobbs: 1384.3 N: 98KA MODEL: A60 S/N: P-212 TOTAL TIME: 3080.7
 RH ENGINE MODEL: TIO-541-E1C4 S/N: ~~1377~~ TOTAL TIME: SMOH: 0.0
 LH ENGINE MODEL: TIO-541-E1C4 S/N: ~~1377~~ TOTAL TIME: SMOH: ~~0.0~~ 1.3
 RH PROPELLER MODEL: HC-F3YR-2UF S/N: ~~1377~~ TOTAL TIME: SPOH: 0.0
 LH PROPELLER MODEL: HC-F3YR-2UF S/N: ~~1377~~ TOTAL TIME: SPOH: 0.0

I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition.

BOB GATES AIRCRAFT MAINTENANCE, INC.
 5235 Gulfstream Court
 Loveland, Co
 970-461-9999

Don Wright Jr.
 A&P 3100700 IA

Date: 11-14-2007 Hobbs: 1384.3 Reg. No.: 98KA
 Eng. Model: TIO-541-E1C4 Eng. S/N: L-1174-59
 SMOH: 0.000

Engine Major Overhaul
 Installed new JPI EGT probes (P/N: M-111) and CHT Probes (P/N# 5050A). I
 certify that this engine has been inspected in accordance with a 100 hour
 inspection and is found to be in an airworthy condition. END.

Kevin A. Warren
 CFS No. F4WR655Y

The New Firewall Forward
 Loveland, CO 80538

YEAR:	RECORDING TACH TIME	TODAYS 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				

Date: 10-10-2007 Hobbs: _____ Reg. No.: 98KA
 Eng. Model: TIO-541-E1C4 Eng. S/N: L-1174-59
 SMOH: 0.000

Engine Major Overhaul

Completed engine major overhaul this date in reference with Lycoming overhaul manual 60279-13, parts manual PC-120 and all applicable service bulletins, letters and instructions. This engine has overhauled to new fits and limits. All internal steel parts magnaflux particle inspected. Crankcase overhauled/ certified, crankshaft overhauled/ certified, and Firewall Forward Technologies LLC Centri-Lube camshaft installed (FAA form 337 filed this date). Counterweights overhauled and certified. Connecting rods align bored. Lycoming factory new cylinder assemblies installed. Engine accessories were overhauled/exchanged or new as follows: Ignition Harness, Champion Spark Plugs, Magneto's, Generator, Sky-Tec Starter, Fuel Pump, Fuel Servo, Fuel Plenum, Turbocharger, Wastegate, Controller, Tach Generator, Propeller Governor and Oil Cooler. New oil and fuel hoses and shock mounts installed. Installed modified oil filter adapter, an increased opening pressure spring and modified oil filter stud per STC SE00584DE (FAA form 337 filed this date). Maintenance release tags and a list of Lycoming overhaul manual and is approved for return to service. For complete details concerning this overhaul, refer to work order #4297-08-2006 on file at this overhaul facility. END.

Kevin A. Warren
 CFS No. F4WR655Y

The New Firewall Forward
 Loveland, CO 80538

YEAR:	RECORDING TACH TIME	TODAYS 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				

Date: 10-10-2007 Hobbs: _____ Reg. No.: 98KA
 Eng. Model: TIO-541-E1C4 Eng. S/N: L-1174-59
 SMOH: 0.000

Engine Major Overhaul

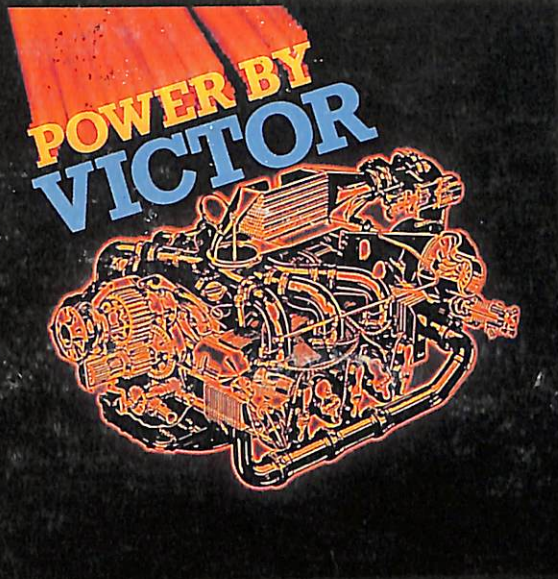
ACCESSORIES OVERHAULED OR EXCHANGED AT OVERHAUL

MFG. NAME	COMPONENT	MODEL/PN	SERIAL No.
Bendix	Magneto	10-349290-2	H092954
Bendix	Magneto	10-349310-4	H092955
LSI	Generator	30060-004	1772
Sky-Tec	Starter	149-24HT	F4M-360703
Crane	Fuel Pump	RG9570K1/M	B-2146
Precision	Fuel Servo	2524275-15	51369
Garrett	Controller	481008-9008	EA0110
Garrett	PRV	470944-9007	KHO00165
Garrett	Wastegate	470818-9005	LDR0121
Garrett	Turbocharger	407540-9003	BHO27833
Quality	Tach. Generator	2CM9AAH-4	K1566
Woodward	Propeller Governor	210556	1290665P
Stewart Warner	Oil Cooler	10046A	G00-3924-1

The New Firewall Forward
 Loveland, CO 80538

LEFT

REBUILT ENGINE LOG



N6011S *LEFT*
AIRCRAFT N NUMBER

TI0541E1C4
ENGINE MODEL NUMBER

L1174-59
ENGINE SERIAL NUMBER

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE MODEL:
TIO-541-E1C4
ENGINE S/N (L): L-1174-59
REG. NO: N6011S
WORK ORDER:
1842-04-2006



Lone Mountain Aviation, Inc.

2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 4/25/2006
A/C TSN: 2698.5
ENG TT (L): 2641.4
TSMOH (L): 1022.3
HOBBS: 1351.9

Left Engine Entries

Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 12 qts A/S 100 Plus oil. Leak check good.... Oil sample taken.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 4/25/2006

SIGNED:

Phillip John Swibies, IA: IA2584811

Work Order: 1842-04-2006

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ENGINE MODEL:
TIO-541-E1C4
ENGINE S/N (L): L-1174-59
REG. NO: N6011S
WORK ORDER:
1938-05-2006



Lone Mountain Aviation, Inc.

2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 6/14/2006
A/C TSN: 2717.7
ENG TT (L): 2660.6
TSMOH (L): 1041.5
HOBBS: 1371.1

Left Engine Entries

Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 12 qts AS 100W PLUS. Engine run and leak check good.... Oil sample taken.... Removed and replaced left vacuum pump and filter ops check good.... Lubed left wastegate.... Installed screw in number four rocker cover on left engine.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 6/14/2006

SIGNED:

Paul Watson, A&P: 530768042

Work Order: 1938-05-2006

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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE MODEL:
TIO-541-E1C4
ENGINE S/N (L): L-1174-59
REG. NO: N6011S
WORK ORDER:
2130-08-2006



Lone Mountain Aviation, Inc.

Repair Station No. L90R473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 9/6/2006
A/C TSN: 2717.7
ENG TT (L): 2660.6
TSMOH (L): 1041.5
HOBBS: 1371.1

Left Engine Entries

Installed overhauled starter p/n MHB-4017R s/n E100709 on left hand engine. Operational check good.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 9/6/2006

SIGNED:

Sean Yarush, A&P: 3056038

Work Order: 2130-08-2006

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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE
		 Lone Mountain Aviation, Inc. 2830 N. Rancho Dr. Suite A Las Vegas, NV 89130 Phone: (702) 309-2200 ENGINE MODEL: TIO-541-E1C4 ENGINE S/N (L): L-1174-59 REG. NO: N6011S WORK ORDER: 721-10-2004 DATE: 10/17/2004 A/C TSN: 2576.4 ENG TT (L): 2519.3 TSMOH (L): 900.2 HOBBS: 1229.8	
		Left Engine Entries Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 11 quarts Aeroshell 100 plus. Leak check good.... Oil sample taken.... Lubricated Left wastegate with mousemilk penetrant. The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number. DATE: 10/17/2004 SIGNED: <i>Guy a. zito</i> Work Order: 721-10-2004 Guy Zito, A&P: 526196332 Printed by EBis 3 (datcomedia.com)	
		 Lone Mountain Aviation, Inc. 2830 N. Rancho Dr. Suite A Las Vegas, NV 89130 Phone: (702) 309-2200 ENGINE MODEL: TIO-541-E1C4 ENGINE S/N (L): L-1174-59 REG. NO: N6011S WORK ORDER: 1088-03-2005 DATE: 4/25/2005 A/C TSN: 2627.3 ENG TT (L): 2570.2 TSMOH (L): 951.1 HOBBS: 1280.7	
		Left Engine Entries Removed wastegate exhaust pipe and clamp. Installed new clamp, and gasket and torqued and saftied to 90 in/lbs.... Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 11 qts AS100W Plus. Engine run and leak check good. The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number. DATE: 4/25/2005 SIGNED: <i>Larry E. Mason</i> Work Order: 1088-03-2005 Larry Mason, IA: 1807305 Printed by EBis 3 (datcomedia.com)	

INSPECTION & MAINTENANCE RECORD

ENGINE MODEL:
TIO-541-E1C4
ENGINE S/N (L): L-1174-59
REG. NO: N6011S
WORK ORDER:
1365-07-2005



Lone Mountain Aviation, Inc.

2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 8/12/2005
A/C TSN: 2647.7
ENG TT (L): 2590.6
TSMOH (L): 971.5
HOBBS: 1301.1

Left Engine Entries

I certify this engine has been inspected IAW a 100 hr. inspection and was found to be in an airworthy condition.... Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 11 qts A/S 100 Plus oil. Engine run and leak check good.... Oil sample taken.... Compression check: #1-79, #2-79, #3-77, #4-78, #5-77, #6-72.... Replaced left engine spark plugs with new RHB37E spark plugs.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 8/12/2005

SIGNED: *Guy a. zito*

Guy Zito, IA: 526196332

Work Order: 1365-07-2005

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ENGINE MODEL:
TIO-541-E1C4
ENGINE S/N (L): L-1174-59
REG. NO: N6011S
WORK ORDER:
1742-02-2006

Lone Mountain Aviation, Inc.

2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 3/22/2006
A/C TSN: 2683
ENG TT (L): 2625.9
TSMOH (L): 1006.8
HOBBS: 1336.4

Left Engine Entries

Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 12 qts AS 100W Plus. Engine run and leak check good.... Oil sample taken.... Removed and replaced four induction boots that go to inner cooler on left engine.... Lubed left wastegate.... Removed and replaced left oil cooler heatshield.... Performed gang drain isolation, performed compression test, inspected cylinder valve guides, removed and replaced fuel drain valve oring.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 3/22/2006

SIGNED: *Paul Watson*

Paul Watson, A&P: 530768042

Work Order: 1742-02-2006

Printed by EBis 3 (datcomedia.com)

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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January 10, 2002 T.T. 2337 Hobbs 1036.2.

On the left engine check compression and timing all cylinders 70 / 80 are better, changed oil and filter checked filter for foreign material found none. Resealed number 4 and number 6 push rods and seals checked for leaks none found after re sealing. Replaced all hoses from far wall to engine and engine oil and connect hoses on cylinders. Checked exhaust system for cracks, leaks and deterioration remove propeller and reinstall after overhaul by Ottosen propeller check track and de ice system operation and found to operate normal.

I certify that this aircraft was inspected in accordance with an 100 hr.1 Inspection and determined Airworthy.



Allen Woodhouse A&P1547790AI

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE MODEL
TIO-541-E1C4
ENGINE S/N (L): L-1174-59
REG. NO: N6011S
WORK ORDER: 746-03-2003



Magnum Aviation
2502 John Montgomery Dr.
San Jose, CA 95148-1004

DATE: 07-01-2003
TTA: 2399.0
TTE (L): 2399.0
TSMOH (L): 306.8
HOBBS 1,087.80

Left Engine Entries

(2) Complied with 100hour/annual engine inspection.IAW Beechcraft B-60 Inspection guide and service manual. Compression. CHECK #178/80 #2 76/80 #3 77/80 #4 79/80 #5 76/80 #6 77/80. Cleaned gaped and tested sparkplugs.Checked magneto timing.Changed oil and filter.Inspected filter and found it to be OK.Removed oil pickup tube screen inspected.Checks OK.Reinstalled screen with new gaskets and hardware. Engine checks good on ground run up and no leaks found.... (35) Tightened bolt on voltage regulator bracket ...

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

DATE: 07-01-2003

SIGNED:

Mark W. Crouch, IA 305641678

WORK ORDER: 746-03-2003

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ENGINE MODEL:
TIO-541-E1C4
ENGINE S/N (L): L-1174-59
REG. NO: N6011S
WORK ORDER:
506-06-2004

Lone Mountain Aviation, INC.

2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 7/9/2004
A/C TSN: 2510.3
ENG TT (L): 2519.3
TSMOH (L): 900.2
HOBBS: 1199.1

Left Engine Entries

I certify this engine has been inspected IAW a 100 hr. inspection and was found to be in an airworthy condition.... C/W compression check. 78/80, 79/80, 75/80, 74/80, 76/80, 77/80.... Oil sample taken.... Changed oil and filter. Cut open filter and checked for metal. None found. Serviced engine with 11 qts of Aeroshell 100 Plus. Engine run and leak check good.... Replaced left engine #3 cylinder primer line.... Removed and replaced Left engine #3,4,5,6 rocker box gaskets.... Replaced Lt engine heat shield below air filter.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 7/9/2004

SIGNED:

Jim Jakus, IA 2096119

Work Order: 506-06-2004

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INSPECTION & MAINTENANCE RECORD

TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	
	4-15-99	N6011S 2273.4 T.T. 962.2 Tach
	Clean spark plugs, check compression, check ignition timing. Check all controls for freedom of movement and security. Change oil and filter, Aeroshell 50w Check Engine for operation.	
	I certify that this engine was inspected in accordance with an 100 hour inspection and determined to be in an airworthy condition.	
	 Scott G. Taylor 528174107 A&P	

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
	5-1-00	N6011S 2296.4 T.T. 985.2 Tach 204.2 SMOH
	Replace spark plugs, check compression, check ignition timing. Check all controls for freedom of movement and security. Change oil and filter, Aeroshell 50w and LW-16702 additive. Check engine for operation.	
	I certify that this engine was inspected in accordance with an 100 hour inspection and determined to be in an airworthy condition.	
	 Scott G. Taylor 528174107 A&P	

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Complied with AD 97-01-04 PRIORITY LETTER Superior Air Parts Cylinder Assemblies by verifying non applicability to this engine at this time due to non utilization of subject cylinder assemblies on this engine as per AD instructions. The following Engine and Engine Appliance AD listing was inspected for conformity to this engine during this inspection event and found not to currently apply: AD 77-12-05, AD 78-09-03 R3, AD 82-20-01, AD 96-12-07, and AD 73-23-01. During the course of this inspection numerous Engine and Engine Appliance Related discrepancies were encountered. Engine related discrepancy maintenance actions performed and corrected as follows: *Turbocharger Oil Seals Degraded and Causing Oil Smell in Cabin, Removed Turbocharger Assembly P/N LW13310, Serial No. ZEO1077W, TT 2270.9. Turbocharger Assembly was Overhauled to 0.0 TSO by KELPAC INDUSTRIES, INC. FAA CRS #CY3R4440L on Work Order # 11077. Turbocharger was Reinstalled as per Avco Lycoming Maintenance and Overhaul Manual and Torqued in accordance with Garret Maintenance and Service Instructions. Unit was pre Oiled and Ground run with full Operations normal. Conjointive to Turbo Charger Assy. Installation all new hardware, shims, seals, hoses, and clamps were utilized to include the following Part Numbers: 75689 Hose, 78146 Clamps, LW-1137 Hose, AN737TW46 Clamps, STD-1998 Bolts, AN960C616 Washers, MS20500-624 Nuts, LW-10090 Shims, STD-2045 Nuts, LW-11105 Lockplates, STD-2128 Bolts, 77067 Damper, 50-389068 Duct Induction Air, and Overhauled Exhaust System and new related Clamps associated to Airframe Systems(See Airframe Log Book for this inspection event related parts installed). *Left and Right Magnetos in poor mechanical condition requiring full electrical component rebuild, Installed the following new Part Number units to Left Magneto: P/N 10-382584 Contact Sets, P/N 10-349276 Capacitor, P/N 10-349263 Packing, P/N 10-1800046-28 Tubing, P/N 10-50752 Felt, P/N 10-349511 Washer, P/N 10-92815-37 Ring-Retainer, P/N 10-50737 Springs, P/N 10-349237 Gear-Large, P/N 10-391586 Distributor Block, and P/N 10-160844 Brush. Installed the following new Part Number units to Right Magneto: P/N 10-382585 Contact Set, P/N 10-349276 Capacitor, P/N 10-349263 Packing, P/N 10-1800046-28 Tubing, P/N 10-50752 Felt, P/N 10-349511 Washer, P/N 10-92815-37 Ring-Retainer, P/N 10-50737 Spring, P/N 10-391586 Distributor Block, P/N 10-349237 Gear-Large, and P/N 10-160844 Brush. Magnetos were bench timed, E gap set, and Timed to engine at installation. All Magneto work was done in accordance with TCM Bendix S 1200 Series Maintenance and Overhaul Manual. *Left and Right High Tension Ignition Harness chaffed and deteriorated, per Avco Lycoming TIO541 Maintenance Manual, operational checks normal. *Cylinder # 3 Exhaust Valve Oiler Fitting found loose in mounting at Head attachment, Removed effected fitting, inspected fitting and bore for anomalies, none noted. Reinstalled fitting insuring proper sealing, operational leak checks normal. *Engine Oil Cooler Damper Assy's. Have cracked brackets, elongated bolt bore holes, and rubber deterioration, Reomoved Upper and Lower Damper Assy's. P/N 77711 and 77712 and replaced with units of same part numbers new, operational checks normal. *Cooling Interbaffles on Cylinders #2, #4, and #6 have missing and working rivets, repaired baffling by installing oversized CR-3243-5-4 Rivets in existing rivet locations. *Cylindrs #2 and #4 failed compression checks with readings of #2 = 60/80 psi and #4 = 71/80 psi with heavy airflow noted from exhaust ports. Removed effected Cylinder Assemblies and verified a Exhaust valve seat problem with Cyl. # 4 and a cracked head on Cyl. # 2 using wet immersion leak check technique. Cylinders were stripped and shipped for Repair at Precision Air Power, Inc. Cylinders required all new valves, guides, and valve seats, units were seat repaired, weld repaired, all new valves, guides, and seats installed, and certified as 0 TSO Overhauled under work performed by Precision Air Power FAA CRS # QD5R141N under Work Orders # 11748. Cylinders #2 and #4 were

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Continues to Page 3 of 3

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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reassembled and installed utilizing all new consumable items to include: P/N 74673 Piston Rings, P/N 73998 Piston Rings, P/N 76036 Gaskets, P/N 71481 O-Rings, P/N STD-2090 Nuts, P/N 383-B Nuts, P/N 70310 O-Rings, P/N LW-12681 Gaskets, P/N 72711 Gaskets, P/N 71973 Gaskets, P/N 66732 Gaskets, and P/N 75233 Seals. All Engine Reassembly Work done in accordance with Avco Lycoming TIO 541 Series Integral Drive Engine Overhaul and Maintenance Manual. Engine was ground run and operationally checked normal. Cylinders were assembled for valve train components and reinstalled utilizing all new consumable parts to include following part numbers: P/N76036 Gaskets, P/N 71481 O-Rings, P/N STD-2090 Nuts, P/N 383-B Nuts, P/N 70310 O-Rings, P/N LW-12681 Gaskets, P/N 72711 Gaskets, P/N 71973 Gaskets, P/N 66732 Gaskets, and P/N 75233 Seals. Units were ground run and operationally checked normal. All work was performed in accordance with Avco Lycoming TIO541 Series Maintenance and Operation Manual 60294-6 and Avco Lycoming Integral Drive Engine Overhaul Manual. Post run in Compression Check Results as follows: Cyl. # 2 = 75/80psi and Cyl. #4 = 76/80psi. All work Performed During the course of this Inspection was done in accordance with the latest relative Federal Aviation Regulations (FAR's) and manufacturer's Maintenance Manuals Criteria's, Methods, and Techniques. SEE AIRCRAFT AND PROPELLER LOG BOOKS FOR ADDITIONAL MAINTENANCES PERFORMED RELATIVE TO THIS ENGINE'S SYSTEMS DURING THIS INSPECTION EVENT. ! CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. ENG. TT 2270.9 hours, TACH 959.7, DATE June 24, 1997. THIS ENGINE REQUIRES OPERATIONAL CHECK FLIGHT FOR RETURN TO SERVICE.

SCOTT PATTERSON
S85114646 I.A.
Inspector Agent

Check Flight Pilot

Page 3 of 3 End.

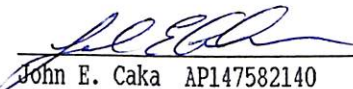
INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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N6011S Beech B-60 Duke, S/N: P-311 LEFT ENGINE LOG ENTRY
August 22, 1995 Aircraft Hobbs Reads: 852.2 hrs
Engine Make: Lycoming, Model: TIO-541-E1C4, S/N: L-1174-59

Drained oil, cleaned suction screen, and installed new oil filter P/N: CH48103, date code: F08D23-1. Inspected removed filter for abnormal contamination, none found. Refilled engine with AeroShell 15W-50 multi-weight oil. Installed Lycoming oil additive P/N: LW-16702 as per Lycoming Service Bulletin 471 dated September 20, 1985. Replaced the left engine intercooler flex duct couplings with new units P/N: 98-1001-1. Replaced the intercooler pop-off valve ice shield with a new unit P/N: 01-1008-9 and resafetied. Replaced the push rod tube seals for cylinders # 1 (Exh), # 3 (Int & Exh), # 4 (Int & Exh), # 5 (Int & Exh), and # 6 (Exh). Resecured the lower spark plug ignition leads. Repaired tab on upper aft baffle seal support.

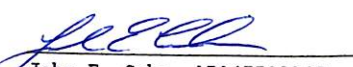
Performed run-up and leak check with normal results. Work performed in accordance with Duke 60 Series Maintenance Manual and Lycoming TIO-541 operators manual.


John E. Caka AP147582140

N6011S Beech B-60 Duke, S/N: P-311 LEFT ENGINE LOG ENTRY
October 9, 1995 Aircraft Hobbs Reads: 890.6 hrs
Engine Make: Lycoming, Model: TIO-541-E1C4, S/N: L-1174-59

Drained oil, cleaned suction screen, and installed new oil filter P/N: CH48103, date code: F05F18-1. Inspected removed filter for abnormal contamination, none found. Refilled engine with AeroShell 15W-50 multi-weight oil. Installed Lycoming oil additive P/N: LW-16702 as per Lycoming Service Bulletin 471 dated September 20, 1985. Replaced the push rod tube seals for cylinders # 1 (Exh), # 3 (Int & Exh), # 5 (Exh), and # 4 (Exh).

Performed run-up and leak check with normal results. Work performed in accordance with Duke 60 Series Maintenance Manual and Lycoming TIO-541 operators manual.


John E. Caka AP147582140

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE TT 2270.9, Tach 959.7, Date June 24, 1997, this Engine, Avco Lycoming TIO541E1C4, Serial Number L 1174-59 was inspected in accordance with a 100 hour / Annual Inspection as per Avco Lycoming Maintenance and Operations Manual, 60294-6, and Beechcraft 60 Series 100 hour or Annual Long Form Inspection Guide 60-590001-73, Dated March, 1985. In addition to the afore listed inspections all 50 hour and 100 hour inspections and servicing requirements were performed as per Beechcraft B-60 Maintenance Manual 60-590001-25A18, Section Chapter 12-00-00, Dated November 20, 1987. Engine Oil was Drained, Filters and Screens were inspected, Oil was Replenished with Aeroshell 100, 50 wt. Non-Detergent Break In Oil. Installed new Oil Filter Champion P/N CH48103 and Lycoming Oil Additive P/N LW-16702 as per Lycoming Service Bulletin 471 Dated Sept. 20, 1985. Engine Compression Differential Check was performed with following Cylinder Pressure Readings: Cyl. #1 = 80/80, Cyl. #2 = 75/80, Cyl. #3 = 76/80, Cyl. #4 = 76/80, Cyl. #5 = 77/80, Cyl. #6 = 78/80. Readings were averaged over a course of 3 Full Compression Checks Inspecting for proper Static and Dynamic Sealing. Engine Spark Plugs were Removed, Cleaned, Inspected, Regapped, and Installed to proper torque specifications. Magneto Timings were Verified to be at 20 BTDC as per TCDS specifications. A complete conformity Inspection of Engine and Engine Appliance Airworthiness Directives was performed. A Conformity Compliance Report of these Inspections was posted in the AD listing Section of this Engine Log Book. Engine Related AD's complied with during this inspection event as follows: Complied with AD 73-10-02 Bendix Fuel Injection System Inspection by verification of effective overhaul date and verified unit to not be applicable by this date cut off in accordance with AD listing. Complied with AD 74-26-09 Bendix Magnetos Inspection for presence of sintered Iron Bushings verified units to be in compliance with installation of machined steel bushings per AD instruction, magnetos Reidentified as necessary by para. (7) instructions of AD. Complied with AD 79-21-08 Inspection of Bendix Fuel Injection System Lock Nut by inspection of find that unit installed not applicable by Part Number in service. Complied with AD 79-26-03 Bendix Fuel Injection System Lock Nut Inspection by inspection to be not applicable by Part Number of unit installed. Complied with AD 82-13-01 Inspection of Bendix Magnetos Series 1200 with Green Distributor Blocks by inspection of Magneto Units to verify absence of effected Distributor Blocks and found to be not applicable at this time. Complied with AD 94-01-03 R2 Inspection of Bendix Magnetos for Coil and Rotating Magnet recall by inspection of installed units to verify non applicability to units installed by complying with Bendix MSB 644 and this AD, Magnetos reidentified with Code "C" Stamp per MSB 644 Instructions post inspection. Complied with AD 94-06-09 Inspection of Bendix Magnetos Capacitor Lot recall by inspection of effected part number. Verified Capacitors installed and verifying non applicability to AD by effected unit date code recall on capacitors installed in units. Verified Previous Compliance of AD 78-23-10 Bendix Fuel Injection System Center Body Bellows Seal Assy. By Victor Aviation on 8/9/86 Tach. 298.9 hrs. During last overhaul. Verified previous Compliance of AD 79-04-05 Bendix Fuel Injection System Fuel Diaphragm by Victor Aviation on 8/9/86 Tach. 298.9 hrs. During last overhaul. Verified Previous Compliance with AD 83-22-04 Bendix Fuel Injection Systems Injector Fuel Diaphragm Stem by Victor Aviation on 8/9/86 Tach. 298.9 hrs. During last overhaul. Complied with AD 91-08-07 Inspection of Fuel Pump Vent orifice and leakage by inspecting effected orifice fittings and for leakage as per AD, Fitting reidentified with Code "R" post inspection as per AD. Verified Previous Compliance with AD 92-12-05 Piston Pin Failure Inspection by FAA CRS # MX3R700L on 3/15/93 Tach. 781.0 hrs. This engine not effected by pin recall. Complied with AD 95-07-01 Connecting Rod Bolt recall by verifying Last engine assembly date to preclude any possible intervention of effected parts to this engine as per AD instructions. Complied with AD 97-01-03 Piston Pin recall by verifying non applicability to this engine by Ad listing Serial Number Lot and date per AD instructions.

Continues to Page 2 of 3

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5/1/93	4065.781.0	INSTALLED ENGB. ON DUKE B-60 P-311 N60115 DETAILS OF INSTALLATION & INSPECTION ON FILE AT TADD AERO.
I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 HR.</u> INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. ALL AD'S THRU <u>COMPLIED WITH. TOTAL TIME 3101.2</u> TSMOH <u>-0-</u> TAG TIME <u>781.0</u> WORK ORDER # <u>24728544814</u>		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
2-1-95	2110.1	ANNUAL INSPECTION COMPLETED THIS DATE. CHANGED OIL AND FILTER. SERVICED WITH SHELL 15-50. FUEL SERVO REPAIRED BY B & S AIRCRAFT PARTS & ACCESSORIES, INC.
7-1-95	2110.1	C/N LYCOMING 53 479 INSTALLED EXHAUST SLIP JOINT CLAMPS
DATE <u>7-1-95</u> TOTAL TIME <u>2110.1</u> I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WO # <u>11739</u> SIGNED <u>Jim A. Carr</u> FOR CORPORATE AIR TECHNOLOGY FAA CRS AU3R384L		

CORPORATE AIR TECHNOLOGY
 1250 AVIATION AVE. STE. 125
 SAN JOSE, CA 95110
 FAA CRS AU3R384L

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
IN ACCORDANCE WITH AN ANNUAL INSPECTION AND
WAS FOUND TO BE IN AN ACCEPTABLE CONDITION. ALL AG'S THIS
DATE 10/10/10 TOTAL TIME 1.00
TSMOH 442 HOURS WORK TIME 740.9
WORK ORDER # 247785448JA Robert Todd

Engine repaired this date. Cleaned
engine parts. Magnafluxed all steel
parts. 2 yglowed all non-steel parts, no cracks
observed. new parts installed in engine are
on file at this agency under this WO# 20729.
6 ea cylinders welded & cermicromed & overhauled
by E.C.I. WO# 2037, 14695, 9128, 6 ea con rods
overhauled by Nickerson Inc WO# 23957. 4 ea
counterweights overhauled by Nickerson Inc WO#
23958. Continue next page →

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		Oil cooler cleaned & tested & overhauled by United Accessory WO# 3622. Crankshaft overhauled by E.C.I. WO# 00911. AD92-12-05 piston pin ins Complied with. Assembled engine to new limits in accordance with engine overhaul manual. The engine will be considered overhauled & airworthy for return to service after the required test procedures have been completed by a person authorized by FAR section 43.7. FAA Repair station MX3R700L. Mesa Air P 568609150

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

To be incorporated into the left engine logbook of N6011S.

1/16/89 687.0 hobbs hours

Changed oil and filter, serviced with 13 qts. Aeroshell 100.

DATE <u>1/16/89</u>	TIME <u>687.0</u>	ENG TIME	W.O.# <u>4936</u>
THE MAINTENANCE OPERATIONS DESCRIBED ABOVE WERE INSPECTED AND, WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT AND/OR COMPONENT IS APPROVED FOR RETURN TO SERVICE. DETAILS ARE ON FILE AT THIS AGENCY UNDER ABOVE REFERENCED WORK ORDER			
SIGNED <u>[Signature]</u>		FOR <u>J</u>	
AERO SERVICES INT'L, INC. - REPAIR STATION #1191			

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
BEECHCRAFT WEST 19990 Skywest Drive Hayward, Calif. 94541		C/W 100 Hr Annual Insp & service per Beech guide PN 60-590001-7J. NEW INDUCTION FILTER installed. Drained & cleaned screen. Replaced spin on oil filter. Cleaned & gapped spark plugs. Serviced oil with 1/3pts Acrosol 115W50. Replaced generator brushes with new. Replaced one induction hose on intercooler. Labeled waste gate. Test ran & checked for leaks, OK.
Approved Repair Station No. 4556		
F.A.A. Airframe -- Class 3 Power Plant -- Class I		
I certify that this <u>ENGINE</u>		
has been inspected in accordance with <u>ANNUAL</u>		
Inspection and was determined to be in Airworthy Condition		
Total Time <u>347.6</u> Date <u>6-12-88</u>		
FRAME <u>2019.6</u>		
Authorized Signature		
W.O. <u>880</u>		
Mechs. Sign. <u>[Signature]</u>		
Mechs. Sign. _____		

CYLINDER NO.					
1	2	3	4	5	6
72	77	77	76	75	75
300	300	300	300	300	300
COMPRESSION CHECK					

INSPECTION & MAINTENANCE RECORD

[illegible]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8-9-86	1619.1	MAKE <u>LYCOMING</u> MODEL <u>TIOSELECH</u> S/N <u>21174-53</u> The above aircraft and/or component identified was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details on file at this agency. Signed <u>J. M. Piro</u> Date <u>8/1/86</u> Victor Aviation Services, Inc. P.O. Box 50608, Palo Alto, Ca. 94303 FAA APPROVED REPAIR STATION #402-50 Note this engine was not installed by Victor Aviation. Nothing follows — ENGINE INSTALLED ON DUKE NG0115 SER# P.311 WITH NEW ENGINE MOUNTS AND ALL NEW HOSE ASSEMBLIES. ALL EXHAUST CLAMPS REPLACED. ENGINE INSTALLED ON LEFT HAND POSITION #1 ON AIRCRAFT. MERLIN PRODUCTS INTERCOOLER INSTALLED. CAL-WEST AVIATION W.D. Brown AA555941506 w.o. 3725 3749
5 SEPT 86	MIR HOBBS 298.9	ENGINE INSTALLED ON DUKE NG0115 SER# P.311 WITH NEW ENGINE MOUNTS AND ALL NEW HOSE ASSEMBLIES. ALL EXHAUST CLAMPS REPLACED. ENGINE INSTALLED ON LEFT HAND POSITION #1 ON AIRCRAFT. MERLIN PRODUCTS INTERCOOLER INSTALLED. CAL-WEST AVIATION W.D. Brown AA555941506 w.o. 3725 3749

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1-14-87	50.1	ANNUAL INSPECTION 72, 72, 72, 72, 74, 74, ENGINE OIL CHANGED TO SHELL MULT-VIS 15-50, ENGINE PLUGS CLEANED & GAPPED BAFFLING DETAILED. ENA MAINTENANCE RELEASE The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency. Work Order 3884 Date 8-14-87 Signature <u>[Signature]</u> CAL-WEST AVIATION FAA REPAIR STA. NO 464-39 CONCORD, CA

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

6-1174-59

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.
73-07-04	80x mag	8-9-86 @OH	rebuilt mags installed		n/a	J M Pava Co insp
73-23-01R	Piston Pins	8-9-86 @OH	n/a by PW installed		n/a	
74-26-09	80x mag	8-9-86 @OH	n/a rebuilt mags installed		n/a	
78-23-0	80x fuel servo	8-9-86 @OH	n/a rebuilt fuel servo installed		n/a	
79-04-05R	Power loss	8-9-86 @OH	n/a rebuilt fuel servo installed		n/a	
79-18-06R	80x mag	8-9-86 @OH	Rebuilt mags installed		n/a	
79-21-08	Power loss	8-9-86 @OH	rebuilt fuel servo installed		n/a	
82-13-01	80x mag	8-9-86 @OH	rebuilt mags installed		n/a	
83-22-04	80x servo	8-9-86 @OH	rebuilt fuel servo installed		n/a	

VICTOR AVIATION SERVICES, INC.
P.O. BOX 50608 PALO ALTO, CA.
FAA APPROVED REPAIR STATION
#402-50

INSPECTION & MAINTENANCE RECORD

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



CERTIFIED POWER BY VICTOR ENGINE REBUILD

A/C Reg. #N6011S A/C Ser. #P311 W.O. #5004
Engine Make Lycoming Model TIO541E1C4
Serial # L1174-59 Eng. T.T. 1619.1 S.M.O.H. 0

F.A.A. REPAIR STATION #402-50

Specifications

1. Engine major overhaul to factory limits.
2. Magnetos and harness by Electrosystems.
3. Starter overhauled.
4. Fuel injection system by A.A.R. Western Skyways.
5. See front of log for A.D. listings.
6. See rear of log for maintenance releases.
7. Nothing follows.

Victor Aviation

VICTOR AVIATION SERVICES, INC.
P.O. BOX 50608, PALO ALTO, CA 94303-0608, (415) 856-7616

Inspector J M Pava
For POWER BY VICTOR, INC.

Date: 8-9-86