

N2052Q

 **AMERICA'S**
AIRCRAFT ENGINES, INC.
TULSA, OKLAHOMA

The Standard
 **ENGINE LOG**

ASA-SE-2

LIMITED WARRANTY

To: Miller Aircraft	Aircraft: Cessna 177RG
Engine: Lycoming IO-360-A1B6D	Registration: N2052Q
Serial Number: L-11647-51A	Tach or Hobbs:
Work Order: 604100	Date of Overhaul 7/9/04

AMERICA'S AIRCRAFT ENGINES, INC warrants this engine, to be free from defects in materials and workmanship by America's Aircraft Engines, Inc. for twenty four (24) months or 1000 hours, whichever occurs first. Accessories will be warranted by respective vendors.

This engine, excluding accessories, is further warranted to be free from defects in materials furnished by America's Aircraft Engines, Inc. until T.B.O. on a pro-rated basis on parts. For the purpose of calculating pro-ration, a minimum of 40 hours per month from the date of overhaul will apply. Replacement or repair of engine, component, or parts under this Limited Warranty will not extend the warranty period. Installation or removal cost are excluded under pro-rated portion. Cracked cylinders and cracked crankcases excluded from all warranty unless it can be determined that they are a direct result of improper assembly.

To exercise this Limited Warranty, America's Aircraft Engines, Inc. must be promptly notified of the discovery of any defect or failure by call or letter fully describing such defect or failure to:

America's Aircraft Engines, Inc
PO Box 582453 * Tulsa, OK 74158
918-371-3000

All warranty work is to be accomplished in Tulsa, Oklahoma by America's Aircraft Engines, Inc. Unless approval is granted in writing by America's Aircraft Engines, Inc. for work to be accomplished elsewhere or by anyone else, prior to commencement of such work. America's Aircraft Engines, Inc. reserves the right to furnish any or all parts thereof.

America's Aircraft Engines, Inc. is not responsible for any consequential loss associated with any failure or defect under this Limited Warranty and no allowance will be made for down time, loss of use, hotel, freight, transportation or any other incidental expense directly or indirectly associated with such defect or failure.

This Limited Warranty is expressly in lieu of all warranties and representations, expressed or implied in fact or by law including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. The work to which this Limited Warranty applies is deemed to have been accomplished in Tulsa, Oklahoma in a court of Competent Jurisdiction.

This Limited Warranty gives you specific rights and may be transferred only by express permission in writing by America's Aircraft Engines, Inc.

Engine Record General Information

Manufacturer Lycoming

Model 1D-360-A1B6D

Serial L-11647-51A

Type Certificate _____

This engine is currently installed in aircraft: N2052Q

Minimum Octane Fuel _____

Oil Grade Summer _____

Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ **hours**



YEAR DATE	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.)
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MAKE Lycoming MODEL IO-360-A1B6D
 SERIAL # L-11647-51A DATE 7/9/04
 TIME SMOH 0.0 TOTAL TIME 2400.2

America's Aircraft Engines, Inc. certifies that this engine has been disassembled, overhauled and tested in accordance with recommended procedures and all clearances and tolerances are within specified limits. Procedures and limits used are as contained in engine manufacturers overhaul manual number 60294-7.

America's Aircraft Engines, Inc. certifies the engine identified above was overhauled and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Following A.D.'s complied with SEE NOTES

Pertinent details of the overhaul are on file at America's Aircraft Engines, Inc. under work order number 604100.

Signed Bill Goph
 Authorized Signature

For **America's Aircraft Engines, Inc.**
 P.O. Box 582453
 Tulsa, OK 74158

Inspections, Tests, Repairs and Alterations

Endorsed with Name, Rating and Certificate Number of Repair Facility. (See back pages for other specific entries.)

9/30/2004**Corrective Action**

Filter (CFO100). Small amount of non-ferrous particles noted check in 10 hours). Serviced with 7 qts. Exxon Elite 20W-50.

1/28/2005**Corrective Action**

Kit P/N 54E23093
Filter (CFO100). No particles found. Serviced with 7 qts. 50. Leak check ok.

N2052Q

Tach/AFTT = 2473.3

SMOH = 71.4

8/4/2005

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 79/80, #2 78/80, #3 79/80, #4 77/80
CW AD2002-26-01 Prevent failure of the fuel injector fuel lines	CW - per par (b)(1) initial inspection - Inspected fuel injector lines and clamps in accordance with Lycoming MSB No. 342D. No defects noted. Re-inspection is due as per par (c)
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 8 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen and drained carb bowl. Installed new o-ring (MS29513-111) Leak check ok.
Upper alternator attach bracket is loose at engine case attach bolts.	Torqued attach bolts and safetied
Engine oil filler tube is loose and leaking	Tightened tube and safetied
Engine breather tube is routed incorrectly and is not secure	Routed and secured tube with new Adell clamps (2 ea. MS21919WDG10, 2 ea. MS21919WDG12)
Ignition leads are chafing prop governor control attach bracket	Positioned and secured to prevent chafing
Prop governor control cable rod end attach hardware is loose	Tightened hardware and safetied. Travel checked.
Wire bundle under cyl #1 & 3 is chafing at several locations	Positioned and secured to prevent chafing
Right forward engine baffle is missing attach hardware (bolt and barrel nut) at upper outboard corner	Installed barrel nut (65614) and bolt
Engine baffle interconnect springs under left and right cylinders are missing	Installed baffle springs (2 ea. 0450277-214, 2 ea. 0450277-208)
Right muffler exhaust clamp hardware is corroded	Replaced hardware as needed
Engine does reach take off rpm	Adjusted static prop governor rpm. Needs flight check.

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

Thomas P. Malechuk
Thomas P. Malechuk, IA375605708
Guardian Aviation Services, LLC

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N2052Q TACH = ~~2450.00~~ 2474 /RD 9/12/2005

Discrepancy	Corrective Action
Vacuum pump is inoperative	Replaced vacuum pump with Sigma Tek, Inc. M/N 1U478-003. Ops and leak check ok. Adjusted vacuum regulator.

Thomas P. Malechuk
 Thomas P. Malechuk, A&P 375605708
 Guardian Aviation Services, LLC

N2052Q Tach/AFTT = 2520.0 Eng TTSN = 2518.3 SMOH = 118.1 10/19/2006

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 79/80, #2 78/80, #3 79/80, #4 77/80
CW AD2002-26-01 Prevent failure of the fuel injector fuel lines	CW - per par (b) (1) initial inspection - Inspected fuel injector lines and clamps in accordance with Lycoming MSB No. 342D. No defects noted. Re-inspection is due as per par (c)
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 8 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen and drained carb bowl. Installed new o-ring (MS29513-111) Leak check ok.
Engine rocker covers have evidence of oil leak	Tightened rocker cover screws. Leak check ok.
Eng oil sump gasket has evidence of oil leak	Tightened oil sump attach bolts. Leak check ok.

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Thomas P. Malechuk
 Thomas P. Malechuk, IA375605708
 Guardian Aviation Services, LLC

of Inspections, Tests, Repairs and Alterations

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

9/12/2005

Corrective Action

um pump with Sigma Tek, Inc. M/N 1U478-003. Ops and leak
sted vacuum regulator.

= 2518.3 SMOH = 118.1

10/19/2006

Corrective Action

Annual inspection
2 78/80, #3 79/80, #4 77/80
(1) initial inspection - Inspected fuel injector lines and clamps in
Lycoming MSB No. 342D. No defects noted. Re-inspection is due as
d filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No
Serviced with 8 qts. Phillips 20W-50. No leaks noted on run.
ent (P/N BA-5705)
r inlet screen and drained carb bowl. Installed new o-ring (MS29513-
k ok.
er cover screws. Leak check ok.
ump attach bolts. Leak check ok.
l inspection and has been found to be in an airworthy condition.

N2052Q TACH = 2525.0

12/7/2006

Discrepancy	Corrective Action
Right mag is inoperative	Removed right mag. Mag repaired by Executive Accessories, Inc. CRS #RL4R496M under WO# 31577 dated 12/5/2006. Installed mag. Ops and leak check ok.

Thomas P Malechuk
Thomas P. Malechuk, A&P 375605708
Guardian Aviation Services, LLC

N2052Q Tach/AFTT = 2556.1

Eng TTSN = 2554.4 SMOH = 154.2

11/7/2007

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 75/80, #2 75/80, #3 74/80, #4 72/80
CW A12002-26-01 Prevent failure of the fuel injector fuel lines	CW - per par (b) (1) initial inspection - Inspected fuel injector lines and clamps in accordance with Lycoming MSB No. 342D. No defects noted. Re-inspection is due as per par (c)
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 8 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen and drained carb bowl. Installed new o-ring (MS29513-111) Leak check ok.
Alternator belt tension is low	Tightened and safetied belt
Right mag is out of time to engine	Timed mag. Run and leak check ok.

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

Thomas P Malechuk
Thomas P. Malechuk, A&P 375605708
Guardian Aviation Services, LLC

YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
				Entries must be entered with Name, Date and C. # of Aircraft
	N2052Q	Tach/AFTT = 2556.1	Eng TTSN = 2593.8	SMOH = 193.6
				12/4/2008

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 73/80, #2 78/80, #3 76/80, #4 78/80
CW AD2008-08-14 To prevent a lean running engine	NA - per date of servo overhaul
CW AD2008-14-07 To prevent failure of the fuel injector fuel lines that would allow fuel to spray into the engine compartment	CW - per par (k) by inspection of the fuel injector fuel lines and clamps between the fuel manifold and the fuel injector nozzles. Installation meets all conditions specified in Lycoming Engines MSB No. 342E.
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 8 qts. Exxon Elite 20W50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen and drained carb bowl. Installed new o-ring (MS29513-111) Leak check ok.
Spark plugs are due servicing	Cleaned, gapped, and tested plugs. Ok for service.

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

Thomas P. Malechuk
 Thomas P. Malechuk, IA375605708
 Guardian Aviation Services, LLC

Discrepancy	Corrective Action
Vacuum pump is inoperative	Replaced vacuum pump with Rapco RA215CC, S/N A31682. Ops and leak check ok. Adjusted vacuum regulator.

Thomas P. Malechuk
 Thomas P. Malechuk, A&P 375605708
 Guardian Aviation Services, LLC

of Inspections, Tests, Repairs and Alterations

193.8 SMOH = 193.6 12/4/2008

Corrective Action

Annual inspection
 #80, #3 76/80, #4 78/80
 servo overhaul
 inspection of the fuel injector fuel lines and clamps between the fuel injector nozzles. Installation meets all conditions specified in MSB No. 342E.
 er (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No serviced with 8 qts. Exxon Elite 20W50. No leaks noted on run.
 P/N BA-5705)
 et screen and drained carb bowl. Installed new o-ring (MS29513-
 and tested plugs. Ok for service.
 pection and has been found to be in an airworthy condition.

12/20/2008

Corrective Action

m pump with Rapco RA215CC, S/N A31682. Ops and leak ted vacuum regulator.

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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N2052Q	TACH =			6 /26/2009
Discrepancy		Corrective Action		
Alternator is inop		Installed new plane power P/N AL12-F60 Plane Power alternator and new Zefronics P/N R15100-A regulator		

Thomas P. Malechuk
 Thomas P. Malechuk, A&P 375605708
 Guardian Aviation Services, LLC

N2052Q	Tach/AFTT = 2639.5	Eng TTSN = 2637.8	SMOH = 237.6	2/10/2010
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Discrepancy		Corrective Action		
Annual inspection is due		Accomplished annual inspection		
Compression check		Cyl #1 75/80, #2 75/80, #3 75/80, #4 75/80		
CW AD2008-08-14 To prevent a lean running engine		NA - per date of servo overhaul		
CW AD2008-14-07 To prevent failure of the fuel injector fuel lines that would allow fuel to spray into the engine compartment		CW - per par (k) by inspection of the fuel injector fuel lines and clamps between the fuel manifold and the fuel injector nozzles. Installation meets all conditions specified in Lycoming Engines MSB No. 342E.		
Change oil and filter		Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 8 qts. Phillips 20W50. No leaks noted on run.		
Bracket air filter element is due change		Replaced element (P/N BA-5705)		
Spark plugs are due servicing		Cleaned, gapped, and tested plugs. Ok for service.		

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

Thomas P. Malechuk
 Thomas P. Malechuk, A&P 375605708
 Guardian Aviation Services, LLC

of Inspections, Tests, Repairs and Alterations

Endorsed with Name, Rating and Certificate Number of Repair Facility. (See back pages for other specific entries.)

SMOH = 288.8 3/10/2011

Corrective Action

Annual inspection

7/80, #3 70/80, #4 75/80

Initial inspection - Inspected fuel injector lines and clamps in coming MSB No. 342D. No defects noted. Re-inspection is due as

er (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No viced with 7 qts. Phillips 20W-50. No leaks noted on run.

P/N BA-5705)

et screen and drained carb bowl. Installed new o-ring (MS29513-

sonic cleaned injectors. Reinstalled. Leak check ok.

pection and has been found to be in an airworthy condition.

YEAR	RECORDING TACH TIME	TODAY'S 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.)

N2052Q Tach/AFTT = 2693.00 Eng TIS = 2691.3 Eng SMOH = 291.1 4/9/2012

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 75/80, #2 75/80, #3 78/80, #4 75/80
CW AD3011-26-05 Prevent failure of the fuel injector fuel lines	CW - per par (i) and Lycoming SB No. 342E by inspection. No defects noted.
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 8 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen. Leak check ok.
Engine through bolts torques are low	Removed propeller for access. Torqued bolts to specs. Installed and safetied propeller (A1633-11)

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

Thomas P. Malechuk
 Thomas P. Malechuk, IA375605708
 Guardian Aviation Services, LLC

N2052Q Tach/AFTT = 2718.1 12/10/2012

Discrepancy	Corrective Action
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 8 qts. Phillips 20W-50. No leaks noted on run.

Thomas P. Malechuk
 Thomas P. Malechuk, A&P 375605708
 Guardian Aviation Services, LLC

N2052Q Tach/AFTT = 2738.7 Eng TIS = 2737.0 Eng SMOH = 336.8 6/3/2013

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 75/80, #2 75/80, #3 74/80, #4 76/80
CW AD2011-26-05 Prevent failure of the fuel injector fuel lines	CW - per par (i) and Lycoming SB No. 342E by inspection. No defects noted.
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 8 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen. Leak check ok.

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 Thomas P. Malechuk, IA375605708
 Guardian Aviation Services, LLC

N2052Q Tach/AFTT = 2771.8 Eng TIS = 2771.8 Eng SMOH = 369.9 7/11/2014

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 73/80, #2 75/80, #3 72/80, #4 72/80
CW AD2011-26-05 Prevent failure of the fuel injector fuel lines	CW - per par (i) and Lycoming SB No. 342E by inspection. No defects noted.
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 7 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen. Leak check ok.
Left cylinder bank lower baffle tie is loose	Removed, adjusted, and reinstalled tie

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


 Thomas P. Malechuk, IA375605708
 Guardian Aviation Services, LLC

737.0 Eng SMOH = 336.8 6/3/2013

Corrective Action
Annual inspection
#2 75/80, #3 74/80, #4 76/80
per (i) and Lycoming SB No. 342E by inspection. No defects noted.
oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No
found. Serviced with 8 qts. Phillips 20W-50. No leaks noted on run.
element (P/N BA-5705)
injector inlet screen. Leak check ok.
Annual inspection and has been found to be in an airworthy condition.

1.8 Eng SMOH = 369.9 7/11/2014

Corrective Action
Annual inspection
#2 75/80, #3 72/80, #4 72/80
(i) and Lycoming SB No. 342E by inspection. No defects noted.
oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No
found. Serviced with 7 qts. Phillips 20W-50. No leaks noted on run.
element (P/N BA-5705)
injector inlet screen. Leak check ok.
checked, and reinstalled tie
Annual inspection and has been found to be in an airworthy condition.

N2052Q Tach/AFTT = 2791.1 Eng TIS = 2791.1 Eng SMOH = 389.2 8/1/2015

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 75/80, #2 74/80, #3 72/80, #4 71/80
CW AD2011-26-05 Prevent failure of the fuel injector fuel lines	CW - per par (i) and Lycoming SB No. 342E by inspection. No defects noted.
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 7 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen. Leak check ok.

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

Tom P. Malechuk
 Thomas P. Malechuk, IA375605708
 Guardian Aviation Services, LLC

N2052Q TACH = 2828.4 2/18/2016

Discrepancy	Corrective Action
Oil change is due	Changed oil and filter (CH48103-1). No particles found. Oil sample taken. Serviced with 7 Qts. Phillips 20W-50. Leak check OK.
Cylinder #3 and #4 rocker covers are leaking	Installed new rocker cover gaskets (SL67193S). Leak check OK.

Philip Andrew Weimer, A&P 3674457
 Guardian Aviation Services, LLC

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N2052Q Tach = 2837.5

4/5/2016

Discrepancy	Corrective Action
Overhaul mag due to erratic operation on take off	Removed mag. Reinstalled mag after overhaul by Quality Aircraft Accessories, Inc. CNA 9QFR310C under WO # 013725 dated 3/31/2016. Ops and leak check OK.

Thomas P. Malechuk
 Thomas P. Malechuk, A&P 375605708
 Guardian Aviation Services, LLC

N2052Q Tach/AFTT = 2887.2 Eng TIS = 2887.2 Eng SMOH = 485.3

9/12/2016

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 74/80, #2 78/80, #3 75/80, #4 73/80
CW AD 2015-19-07 External Fuel Injector Lines	CW - Per par (e.ii) by inspection IAW Lycoming SB No. 342E. No defects noted. Re-inspection due per par (ii) after any maintenance is done on the engine where any clamp on a fuel injector fuel line was disconnected, moved, or loosened, and within every 110 hours (Tach = 2997.2) TIS and after each engine overhaul.
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 7 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen. Leak check ok.
Cylinder #1 and #4 rocker cover areas are wet with oil	Installed new gasket on #1 rocker cover (SA534857S). Torqued screws on #4. Leak check OK.
Idle mixture is rich	Adjusted mixture and idle RPM

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

Thomas P. Malechuk
 Thomas P. Malechuk, IA375605708
 Guardian Aviation Services, LLC

ion of Inspections, Tests, Repairs and Alterations

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

4/5/2016

Corrective Action

mag. Reinstalled mag after overhaul by Quality Aircraft Accessories, Inc. CRS
under WO # 013725 dated 3/31/2016. Ops and leak check OK.

7.2 Eng SMOH = 485.3

9/12/2016

Corrective Action

Annual inspection

, #2 78/80, #3 75/80, #4 73/80

(e.ii) by inspection IAW Lycoming SB No. 342E. No defects noted. Re-
inspection due per par (ii) after any maintenance is done on the engine where any clamp
on a fuel injector fuel line was disconnected, moved, or loosened, and within every 110
hours (Tach = 2997.2) TIS and after each engine overhaul.

and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No
leaks noted on run. Serviced with 7 qts. Phillips 20W-50. No leaks noted on run.

element (P/N BA-5705)

inlet screen. Leak check ok.

gasket on #1 rocker cover (SA534857S). Torqued screws on #4. Leak

and idle RPM

annual inspection and has been found to be in an airworthy condition.

N2052Q

TACH = 2936.2

6/26/2017

Discrepancy	Corrective Action
Vacuum pump is inoperative	Installed a new RA215CC, S/N A64954 pump. Replace instrument filter (D9-18-1). Ops and leak check ok.

Philip A Weimer

Philip Andrew Weimer, A&P 3674457

Guardian Aviation Services, LLC

N2052Q

Tach/AFTT = 2952.0

Eng TIS = 2952.0

Eng SMOH = 550.1

11/16/2017

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 70/80, #2 72/80, #3 30/80, #4 76/80
Cylinder #3 compression is low. Leaking from exhaust.	Removed cylinder. Reinstalled cylinder after repair by Zephyr Aircraft Engines, Inc. CRS #V14R597M under WO #217259 dated 10/24/2017. Run and leak check OK.
CW AD 2015-19-07 External Fuel Injector Lines	CW - Per par (e.ii) by inspection IAW Lycoming SB No. 342E. No defects noted. Re- inspection due per par (ii) after any maintenance is done on the engine where any clamp on a fuel injector fuel line was disconnected, moved, or loosened, and within every 110 hours (Tach = 2997.2) TIS and after each engine overhaul.
Oil filter converter plate is leaking	Installed new converter plate gasket (1 ea. 06B23072). In accordance with Lycoming SI 1453A. Leak check OK.
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 7 qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen. Leak check ok.

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

Thomas P Malechuk

Thomas P. Malechuk, IA375605708

Guardian Aviation Services, LLC

N2052Q

TACH = 2988.1

8/8/2018

Discrepancy	Corrective Action
Cylinder #2 rocker cover is leaking	Installed a new rocker cover gasket (SL67193-S

Jeffrey L. Young
 Jeffery L. Young, A&P 2721008
 Guardian Aviation Services, LLC

N2052Q

Tach/AFTT = 3003.4

Eng TIS = 3003.4

Eng SMOH = 601.5

1/14/2019

Discrepancy	Corrective Action
Annual inspection is due	Accomplished annual inspection
Compression check	Cyl #1 76/80, #2 74/80, #3 74/80, #4 73/80
CW AD 2015-19-07 External Fuel Injector Lines	CW - Per par (e.ii) by inspection IAW Lycoming SB No. 342E. No defects noted. Re-inspection due per par (ii) after any maintenance is done on the engine where any clamp on a fuel injector fuel line was disconnected, moved, or loosened, and within every 110 hours (Tach = 3112.3) TIS and after each engine overhaul.
Change oil and filter	Changed oil and filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No particles found. Serviced with 7 Qts. Phillips 20W-50. No leaks noted on run.
Bracket air filter element is due change	Replaced element (P/N BA-5705)
Service fuel system	Cleaned injector inlet screen. Leak check ok.
Cylinder #4 rocker cover is seeping	Re-torqued the cover attach screws. Leak check OK.

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

Thomas P. Malechuk
 Thomas P. Malechuk, IA375605708
 Guardian Aviation Services, LLC

8/8/2018

Corrective Action

new rocker cover gasket (SL67193-S

Eng SMOH = 601.5

1/14/2019

Corrective Action

Annual inspection

74/80, #3 74/80, #4 73/80

(ii) by inspection IAW Lycoming SB No. 342E. No defects noted. Re-
per par (ii) after any maintenance is done on the engine where any clamp
fuel line was disconnected, moved, or loosened, and within every 110
12.3) TIS and after each engine overhaul.

filter (CH48103-1), cleaned sump screen (1 ea. 06E19769-1.00). No
Serviced with 7 Qts. Phillips 20W-50. No leaks noted on run.

at (P/N BA-5705)

inlet screen. Leak check ok.

cover attach screws. Leak check OK.

inspection and has been found to be in an airworthy condition.

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

N2052Q Tach: 3021.7 Hobbs: 1047.0 ETT: 3021.7 SMOH:619.8 1/29/2020

Annual Inspection: Engine

Engine compressions: #1- 76 #2-78 #3-79 #4-78 CW AD 2015-19-07 Fuel injector lines. Drained old oil. Removed old oil filter. Cut filter open to inspect for FOD. None found. Removed oil filter screen from crankcase. No FOD found. Installed new Oil filter CH 48103-1. Serviced engine with seven quarts of Phillips 20W50 oil. No leaks noted during run. Installed new air filter P/N: BA-5705. Re-torqued all valve cover fasteners. Replaced torn scat tubing with new. Cleaned and tested all sparkplugs. Checked mag timing. Cleaned all fuel filter screens.

Installed Gami Kit # GL10-4 per STC No. SE09445SC. Gami injectors installed. Flags installed on fuel injectors lines. Placards installed on valve covers. Ran engine no faults found.

I certify that this aircraft has been inspected IAW with an annual inspection and has been found to be in an airworthy condition.

Scott Hedrick
I Scott Hedrick A&P 3154904 IA#

Guardian Aviation Services
110 Aviation Drive
Siler City, NC 27344

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of Inspections, Tests, Repairs and Alterations

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

2.5

7RG S/N: 177RG0452
App D and manufacturer's maintenance

over 80psi. Drained oil and inspected filter, Phillips 20W50 and installed CH48103-1 filter. Checked and inspected gascolator. Replaced all hardware. Cleaned debris in cooling fins. Replaced hardware on aft baffle attaching

ected in accordance with an annual/100Hr airworthy condition.

Cert: 3795511AP/IA

Sign: 

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



EAGLE POINT AVIATION
110 Aviation Drive, Siler City, NC 27344

N2052Q Lycoming IO-360-A1B6D S/N L-11647-51A
Date 3/25/2022 Tach: 328.0 TTAF: 3099.3 TTE: 3099.3 SMOH: 697.4

Completed Annual Inspection per the manufacture's inspection guide or locally generated guide per CFR Part 43 Appendix D
Performed Compression Check: #1 70/80 #2 78/80 #3 70/80 #4 78/80
Checked Magneto timing. Found within limits referending Lycoming Overhaul Manual Direct Drive Engine Section 4
Cleaned, gapped, and tested spark plugs. Referencing Service Instruction 1042 and SB 359.
Cleaned and inspected oil suction screen.
Drained oil, sampled, removed oil filter, cut open and inspected. No abnormalities found. Installed new oil filter P/N AA48103 and safetied.
Serviced with 8 quarts Phillips 20W50. Ground ran engine, no leaks found.

The engine identified above was inspected in accordance with ANNUAL INSPECTION utilizing the manufacturer's inspection guide or locally generated guide per CFR Part 43 Appendix D, current manufacturer's technical data and current Federal Aviation Regulations. Parts replaced or repaired meet standards set forth by current FAR's. The engine is therefore approved for return to service. WO 089 on file


Michael J. Thompson 96689415 IA

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