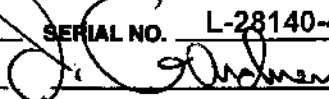


NEW RECIPROCATING ENGINE CERTIFICATE

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 IO-540-K1G5 SERIAL NO. L-28140-48A
DATE MAY 25 2001 
(AUTHORIZED REPRESENTATIVE)

TEXTRON Lycoming

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

FORM NO. 323-B (Rev. 3/79)

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

W/O S2093 AUGUST 27, 2001 ENGINE LOGBOOK ENTRY FOR N5319U S/N: 3246197

HOBBS: 18.6

Changed oil with 10qts. Aeroshell 100 Mineral oil and filter with CH48110. No metal found. OPS check good. -----END-----

Rick / 10/1/01 457392419 A+P
CUTTER AVIATION (SAT)

W/O S2192 NOVEMBER 27, 2001 ENGINE LOGBOOK ENTRY FOR N5319U

S/N: 3246197 HOBBS: 53.4

Removed upper and lower cowl. Drained oil, removed and inspected suction screen. Replaced crush washer AN900-10. Installed suction screen, no metal found. Removed oil filter and inspected, no metal found. Replaced with CH48110 filter. Serviced engine with 10qts Aeroshell 100 plus. Leak checked engine, none noted. Recowled engine. -----END-----

with 10/27/01 457392419 A+P
CUTTER AVIATION (SAT)

and Remarks	Signature	Certificate No.

GARDNER AVIATION SPECIALIST, INC. 215 BARRY WHATLEY WAY GRIFFIN, GA 30224
 LOG ID# 569 09-April-2002 WO# 17709/1 AC TT 97.0
 N5319U S/N 3246197 PIPER PA-32R-301

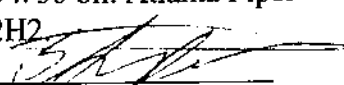
Pg 1 / 1

**** ITEM # 17709-1 OIL CHANGE ****


ACTION: CHANGED OIL AND OIL FILTER. INSPECTED OLD OIL FILTER. SERVICED ENGINE WITH AEROSHELL 15W50
 OIL. INSTALLED NEW CH48110 OIL FILTER. ENGINE WAS GROUND RUN AND DETERMINED AIRWORTHY.

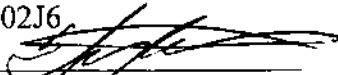
John Bennaman
 JOHN BENNAMAN
 IA25498247A

4/9/2002
 Date

and Remarks	Signature	Certificate No.
Date 07/31/2002 N# N5391U model IO-540-K1G5		
s/n L-28140-48A Hobbs 194.20		
work description Changed engine oil and filter.		
Inspected oil filter for metal; no metal in filter.		
Serviced with Aeroshell 15W50 oil. Atlanta Piper		
Service Center WO# AP02H2		
Atlanta Piper Service Center DeKalb-Peachtree Airport 3187 Corsair Dr., Ste. 150 Atlanta, GA 30341	 Steven Morgan AP231762626IA	

ENGINE LOG

Date	Engine Time	Recorder	ice
<p>Date 08/14/2002 N# N5319U model- IO-540-K1G5 s/n L-28140-48A Total time 197.8 Hobbs 197.8 work description Performed 100 hour inspection and service. Changed engine oil and filter. Inspected filter and suction screen for metal; no metal in screen or filter. Serviced with Aeroshell 15W50. Cleaned, gapped, and rotated spark plugs. Compression Test; #1- 76, #2-78, #3-76, #4-75, #5-75, #6-78. Cleaned servo fuel screen. Complied with AD99-04-04 amendment 39-11028 by inspecting left mag (01030155) impulse coupling per instructions in Slick SB1-98; due again in 250 hours. Complied with AD 93-02-05 amendment 39- 8487 by inspecting fuel injector lines per instructions in SB 342d par. 1 thru 4 and diagram #17. Due again next annual. Atlanta Piper Service Center WO# AP02H8.</p>		<p>Date 08/14/2002 N# N5319U model IO-540-K1G5 s/n L-28140-48A Total time 197.8 Hobbs 197.8 work description I certify that this engine has been inspected in accordance with a 100 hour inspection in accordance with FAR 43 appendix D, was found to be in airworthy condition and is approved for return to service on this day. See AD list dated 8/14/2002. WO# AP02H8.</p>	<p> Atlanta Piper Service Center DeKalb-Peachtree Airport Steven Morgan 3187 Corsair Dr., Ste. 150 AP231762626IA Atlanta, GA 30341</p>

and Remarks	Signature	Certificate No.
Date 10/23/2002 N# N5319U model IO-540-K1G5 s/n L-28140-48A Hobbs 247.3 work description: Changed engine oil and filter. Inspected old filter for metal; no metal in filter. Serviced with Aeroshell 15W50 oil. Atlanta Piper Service Center WO #AP02J6	 Steven Morgan	
Atlanta Piper Service Center DeKalb-Peachtree Airport 3187 Corsair Dr., Ste. 150 Atlanta, GA 30341	AP231762626IA	

ENGINE LOG

Date	Engine Time	Recorder	Maintenance
EPPS <i>Aviation</i> 770-458-9851	Aircraft Reg:	5319U	4/22/03
	Manufacturer:	LYCOMING	Work Order:
	Model:	IO-540-K1G5	D3271
	Serial Number:	L-2B140-48A	Pg. of
	Hour Meter:	302.8	TSMOH:
	Tach Time:		Eng. TT
<p>DRAINED OIL AND SERVICED WITH 12 QTS OF AEROSHELL 15W50 OIL. REMOVED, CUT OPEN, AND INSPECTED OIL FILTER. NO DEFECTS NOTED. INSTALLED A NEW CH48110 FILTER. PERFORMED ENGINE GROUND RUN. LEAK CHECK SATISFACTORY.</p>			
<p>The aircraft, airframe, engine, propeller or appliance 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 of the repair are on file at this repair station under Work Order No. <u>D3271</u>.</p>			
Signed <u>Russell E Wiley</u>		RUSSELL E. WILEY	
Total Cost for: Epps Air Service, Inc., ESMR688B, 1 Aviation Way, Atlanta, GA 30341			

and Re

Signature


Certificate No.

EPPS
Aviation 
770-458-9851

Aircraft Reg:	N5319U	8/29/2003
Manufacturer:	Lycoming	Work Order:
Model:	IO-540-K1G5	H3229
Serial Number:	L-28140-48A	Pg. 1 of 1
Hour Meter:	326.6	TSMOH: 326.6 new
Tach Time:	n/a	Eng. TT 326.6

Performed 100 hour service and inspection. Changed engine oil and filter. Inspected old filter and suction screen for metal; no metal in either. Serviced with Aeroshell 50 weight mineral oil. Cleaned fuel servo inlet screen. Cleaned fuel nozzles. Cleaned, inspected, regapped and rotated spark plugs. Replaced 4 spark plugs with new. Compression test results; #1-76, #2-72, #3-new, #4-74, #5-76, #6-75. Replaced #3 cylinder assy with new lycoming assy per Lycoming o/h manual. SI's 1029D, 1014M, 1037M, 1042X, 1059C, and 1427B. Replaced left magneto with new magneto p/n 6351 s/n 03070112 and new impulse coupling. Replaced right mag gaskets. Complied with AD 2002-26-01 dated 1/31/2003 by inspection fuel injection lines per SB3420; No defects noted. Due again in 100 hours. AD 2003-14-03 dated 8/14/2003 does not apply per type fuel pump installed. AD 99-04-04 dated 2/25/1999 due in 250 hours. I certify that this engine has been inspected in accordance with a 100 hour inspection per guideline checklist in FAR 43 Appendix D, was found to be in airworthy condition and is approved for return to service.

The aircraft, airframe, engine, propeller or appliance 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 of the repair are on file at this repair station under Work Order No. 43229

Signed  Steven Morgan
for: Epps Air Service, Inc., ECMP0000, 1 Aviation Way, Atlanta, GA 30341

ENGINE LOG

EPPS
Aviation
770-458-9851

Aircraft Reg: N5319U 8/29/2003
Manufactur: Lycoming Work Order:
Model: IO-540-K1G5 H3229
Serial Number: L-28140-48A Pg. 1 of 1
Hour Meter: 329.6 TSMOH: 329.6 new
Tach Time: n/a Eng. TT 329.6

Performed test flight and breakin procedures per Lycoming SI 1427B. After flight, checked oil suction screen and filter for metal; no metal in either. Installed new filter and reinstalled screen with new gasket and serviced with Aeroshell 50 weight mineral oil.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. ~~Partinent details of the repair are~~ on file at this repair station under Work Order No. H3229

Signed [Signature] Steven Morgan
for: Epps Air Service, Inc., ECMP00000, 1 Aviation Way, Atlanta, GA 30341

Total
Carry forward

Lumanair, Inc. **Aurora Municipal Airport** **Sugar Grove, IL**
Installed TAS-100 preheater system S/N 36851 IAW Tanis Aircraft Services instructions # 102
and drawings # 100G.

Lumanair, Inc. FAA Certified Repair Station # CGFR811C


David M Hoaglund

Date: 1/13/04 WO # LUM2826

Hobbs: 371.3

No.

Lumanair, Inc. **Aurora Municipal Airport** **Sugar Grove, IL**

Changed oil and filter. Serviced with Aeroshell 15W50.

Inspected filter and found OK.

Lumanair, Inc. FAA Certified Repair Station # CGFR811C


David M Hoaglund

Date: 1/13/04 WO # LUM2826

Hobbs: 371.3

Lumanair, Inc. **Aurora Municipal Airport** **Sugar Grove, IL**

Removed starter part no# 31B22101 serial no# F4P-160108 and replaced with a like unit serial
no# F4P-440315. Test of the starter was satisfactory.

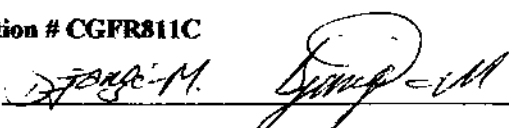
Lumanair, Inc. FAA Certified Repair Station # CGFR811C



Date: 4/20/04 WO # LUM3035

Tach/Hobbs: 407.7

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance		
	This Date	Since Major				
Lumanair, Inc. Aurora Municipal Airport Sugar Grove, IL 1- 76 /80 2- 75 /80 3- 78 /80 4- 75 /80 5- 77 /80 6- 73 /80 Performed annual inspection per piper service manual. Changed engine oil and filter cut filter open inspected, found ok. Serviced engine with Shell 15W50. Replaced RH cabin heat air duct with new. C/W AD2002-26-01 inspection of fuel lines. Engine run up and leak check ok. I certify that this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition. Lumanair, Inc. FAA Certified Repair Station # CGFR811C <div style="text-align: right;">  <i>George M. Dwyer</i> </div>						
Date: 06-28-04 WO # LUM3186 Tach/Hobbs: 432.8 Total Time: 432.8						
Total To Carry Forward						

N5319U

and Remarks	Signature	Certificate No.
CHANGED OIL & FILTER SERVICED WITH AMMOHELL W-100 REPLACED OIL FILTER CH48110. CUT OPEN FILTER NO CONTAMINATES FOUND. REPLACED 12 PLUGS REM38E TEST PAN ENGINE NO LEAKS AT THIS TIME.		
DATE 4-12-05 TACH:		
	<i>Depnatt Pastorup</i>	APR 1956 20855

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

→ GARY JET CENTER

5401 Industrial Hwy., Gary, IN 46406 (319) 944-1210 Fax (219) 944-8232

DATE: 09-01-05
ENGINE

ACTT: 536.2
IO-540-K1G5

N71RL
S/N L-28140-48A

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH PIPER INSPECTION FORM TO INCLUDE COMPRESSION RESULTS #1 79/80 #2 76/80 #3 78/80 #4 77/80 #5 76/80 #6 78/80, CHANGED OIL AND FILTER, INSPECTED FILTER FOR METAL AND NONE FOUND. REINSTALLED 12QT AEROSHELL 100WPLUS. REMOVED, CLEANED, GAPPED, TESTED AND REINSTALLED PLUGS USING NEW GASKETS. REPLACED RIGHT MAGNETO WITH NEW MAGNETO P/N 6230 S/N 05071361 AND COMPLIED WITH AD 99-04-04 BY G&N AIRCRAFT (SEE GREEN TAG FOR DETAILS) DUE AGAIN IN 250HRS. CLEANED FUEL NOZZLES, COMPLIED WITH AD 2002-26-01 BY INSPECTION OF FUEL LINES AND CLAMPS DUE AGAIN IN 100HRS OR NEXT ANNUAL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION ON THIS DATE.

Robert L. Ahle
ROBERT L. AHLE
A&P37415051A

T
C

and Remarks	Signature	Certificate No.
11-27-05 Hobbs Reads 543.2		
Cleaned fuel injection nozzles, cleaned spark plugs		
checked magneto timing and ignition harness and		
all checked out satisfactory, Installed new		
plunger assembly part # 78290 in #1 cylinder		
exhaust positioning using all new gaskets, AD 2005-19-11		
Does not apply due to serial #		
	Phet Lohy	AP3741505 ED

ENGINE LOG

Lumanair, Inc.

Aurora Municipal Airport

Sugar Grove, IL

N71RL

Drained oil. Removed opened and inspected oil filter: checked OK. Serviced engine with **Aeroshell 15W50.**

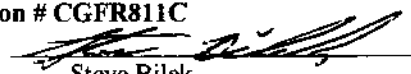
Differential compression- #1 74/80, #2 75/80, #3 77/80, #4 73/80, #5 77/80, #6 75/80.

Replaced all rocker box cover gaskets with P/N SL67193-S

Cleaned, gapped and rotated all spark plugs.

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

Lumanair, Inc. FAA Certified Repair Station # CGFR811C


Steve Bilek

Date: 10/03/2006

Work Order # LUM4605

Hobbs:580.6

Total Time:580.6

Total To Carry Forward				

and Remarks

Signature

Certificate No.

WindWalker Aviation Serv. LLC
3 Tom Lambrecht Drive
Romeoville, IL 60446
Ph: (866)606-5327 Fax: (888)475-7538



ENGINE

REG. #: N71RL
Mode/A#: IO-540-K1G5
S/N: L-28140-48A

Complied with the following Inspections:

~ 100hr. / Annual Inspection as per FAR 91.409 (a)(1) and was found to be in airworthy condition at this time.

Complied with the following maintenance:

~ Engine oil and filter change.

I certify that this aircraft, engine, propeller, or component has been maintained as required by the Federal Aviation Regulations, and has been determined to be in an airworthy condition and approved for return to service with respect to the work performed. Pertinent details are on file at the repair station under the above work order.

Signed: 

DATE: 10-5-07

WORK ORDER #:1042

WindWalker Aviation Services, LLC, 3 Tom Lambrecht Drive, Romeoville, IL 60446, FAA Certificated Repair Station No. W4LR644Y

ENGINE LOG

WindWalker Aviation Serv. LLC

3 Tom Lambrecht Drive
Romeoville IL 60446
Ph: (866)606-5327
Fax: (888)475-7538



WindWalker
AVIATION SERVICES

ENGINE

REG#: N71RL

AFS/N:3246197

ENG: IO-540-K1G5 S/N I-28140-48A

TACH: 631.4

Accomplished The Following:

- Annual Inspection per CFR43 APPENDIX D.
- Engine compression: #1-72/80, #2-74/80, #3-72/80, #4-72/80, #5-72/80, #6-70/80
- Checked magneto timing.
- Cleaned, gapped, tested and inspected spark plugs.

AD's

- AD99-04-04 - Insp impulse coupling DUE @ 786.2 hrs.
- AD2004-05-24 - N/A by S/N
- AD2004-10-14 - Next Due @ Prop Strike or O/H.
- AD2006-20-09 - DUE BY FEB.21,2009
- AD2008-08-14 - N/A Suspect equipment not installed.
- AD2008-14-07 - Complied with at this time. Next DUE @ Annual or fuel injector maintenance.

I CERTIFY THAT THIS AIRCRAFT / ENGINE / PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AS PER PART 43 APPENDIX D, AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. NO OUTSTANDING AD NOTES AT THIS TIME. DETAILS ARE ON FILE AT WINDWALKER AVIATION SERVICES LLC FOR THE WORK BELOW.

Signed: _____

10/09/2008

WO#: 1310

WindWalker Aviation Services, LLC, 3 Tom Lambrecht Drive, Romeoville, IL 60446, FAA Certificated Repair Station No.W4LR644Y

and Re

The aircraft and or component identified below 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 under Work Order Number: **65629**

No.

Engine Model **IO-540-K1G5** Serial Number: **L-28140-48A**

Date: **01/26/2009**

Signed: 



for

G&N Aircraft, Inc.

F.A.A./CRS MW2R020L
170 E. Main Street
Griffith, IN 46319
(219)924-7110

01/26/09 11:28:42 DISASSEMBLED, CLEANED, INSPECTED, REPAIRED AS PAGE
NEEDED, REASSEMBLED, & DYNO TESTED USING THE
FOLLOWING PARTS:

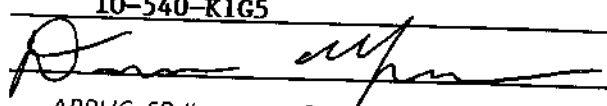
Item Num.	Item Description	Quantity
AA48110	OIL FILTER	1
AN565B1032H5	Screw **	1
LW10207-S	PISTON	1
LW14078	Pin Piston	6
MS28778-8	O Ring **	2
STD-2249	NUT(SS FROM STD1409)	6
STD2013	Seal **	8
STD2180	Hose **	6
STD2231	Ring (MS16625-1081)	1
05K23617	CRANKSHAFT KIT SB566/569(A)	1
56G23399	BAFFLE SUMP (SS FROM LW13383)	1
72626	Shaft	12
72877-R	Lifter Bodies - Recon **	12

*** END OF REPORT ***

1310

AIRWORTHINESS DIRECTIVE

At date of engine ~~repair~~ 01/26/2009
 Engine Model: IO-540-K1G5

Authorized Signature: 

AD & REV#	REV DATE	APPLIC. SB #	ONE/TIME	RECURRING
92-12-05		501	X	
95-07-01		95-002	X	
96-09-10		524	X	
96-23-03		525A	X	
97-15-11		527C	X	
98-17-11		-----	X	
2002-19-03		552	X	
2004-05-24		554	X	
2004-10-14		475C		X

COMPLIANCE RECORD

S/N L-28140-48A

W/O 65629

C/W complied with, P/C/W previously complied with, N/A not applicable

CRS MW2R020L

[Signature]

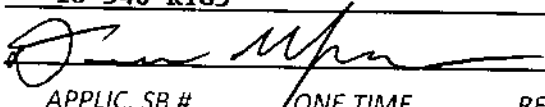
	N/A by P/N
	N/A by P/N
	P/C/W
	N/A by code
	N/A by P/N
	N/A new part
	N/A new STC
	C/W new part
next overhaul sudden stoppage insp.	C/W by insp.
prop strike crank gear removal	

ENGINE LOG

AIRWORTHINESS DIRECTIVE

At date of engine ~~xxxxxx~~ ^{repair} 01/26/2009

Engine Model: 10-540-K1G5

Authorized Signature: 

AD & REV#	REV DATE	APPLIC. SB #	ONE TIME	RECURRING
2005-19-11		566	X	
2006-20-09		569A	X	
2007-04-19	05/07/07	SUP CYL	X	
2008-14-07		342E		X
2008-19-05		ECI CYL	X	
END				

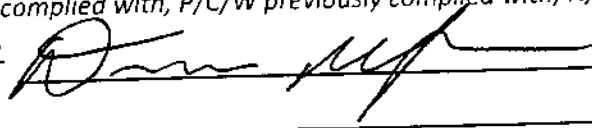
COMPLIANCE RECORD

S/N L-28140-48A

W/O 65629

C/W complied with, P/C/W previously complied with, N/A not applicable

CRS MW2R020L



	N/A by S/N
	C/W new crank
	N/A by P/N
100 hour annual overhaul	C/W by insp.
any fuel line maint.	N/A by P/N
END	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Make Lycoming Model IO-540-K165 Serial No./No. L-28140-48A

Tach Reading	<u>632.4</u>	Date	<u>1-28-09</u>	<u>Reinstalled engine After</u>
--------------	--------------	------	----------------	---------------------------------

Repair by G+N Aircraft w/ # 65629. Engine was removed for compliance of AD2006-20-09. Engine was installed in Airframe N71RL. Serviced engine with 12qt Aeroshell 80 oil. Adjusted idle and idle mixture. Rigged engine controls as needed. Installed new exhaust gaskets P/N 76711 and hardware. Ground run, checked for leaks, none found. END.

**NORTHWEST AVIATION
MAINTENANCE, INC.**

1705 East Main Street • Griffith, IN 46319
Telephone: (219) 922-2632 • 800-247-7070

W.D. # 5744

Thomas G. Yearsick Jr
Authorized Signature

AP3044453IA

and Remarks	Signature	Certificate No.

3 Tom Lambrecht Drive
Romeoville IL 60446
Ph: (866)606-5327
Fax: (888)475-7538



WindWalker
AVIATION SERVICES

ENGINE

REG#: N71RL
AFS/N:3246197
ENG: IO-540-K1G5
S/N L-28140-48A
HOBBS: 654.4

Accomplished The Following:

- Drained engine oil and serviced engine with 12 qts. Aeroshell 15W50 oil.
- Removed, inspected and replaced oil filter (CH48110-1).

I certify that this aircraft, engine, propeller or component has been maintained as required by the Federal Aviation Regulations, and has been determined to be in airworthy condition and approved for return to service with respect to the work performed. Pertinent details are on file at this repair station with the named work order.

Signed: _____

07/15/2009

WO#: 1507

WindWalker Aviation Services, LLC, 3 Tom Lambrecht Drive, Romeoville, IL 60446, FAA Certificated Repair Station No.W4LR644Y

Lumanair, Inc.

Aurora Municipal Airport

Sugar Grove, IL

1- 76 /80 2- 76 /80 3- 78 /80 4- 76/80 5- 77 /80 6- 75 /80

Da

C/W AD2009-02-03 by replacing fuel servo hex plug gasket with new part # 2577258. Stamped hex plug "G"

Drained engine oil. Removed oil filter. Open and inspected oil filter. Inspected ok. Installed, torqued, and safetied new oil filter CH48110-1. Serviced engine with Aeroshell 15W-50

Removed and cleaned fuel injectors. Installed and torqued to MM specs.


Re-safetied oil temp sending unit.

Replaced Left muffler with overhauled unit part # 26345-08

Removed vacuum pump and inspected vanes. Found ok. Re-installed vacuum pump onto engine

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

Lumanair, Inc. FAA Certified Repair Station # CGFR811C


Alexander K. Bruce

Date: 1-12-11 WO # LUM6273 Tach/Hobbs: 717.7 Total Time: 717.7

Lumanair, Inc.


Aurora Municipal Airport

Sugar Grove, IL

Drained oil and removed filter. Cut open and inspected filter and found to be OK. Serviced with 12qts. Aeroshell 15W50 oil. Replaced CH48110-1 filter. Washed engine. Run up and leak check OK.

Lumanair, Inc. FAA Certified Repair Station # CGFR811C

Total T
Carry I


Scott M. Luman

Date 7/6/11

W/O # LUM6608

Tach 755.3

Lumanair, Inc.

Aurora Municipal Airport

Sugar Grove, IL

1- 76 /80 2- 72 /80 3- 78 /80 4- 78 /80 5- 77 /80 6- 75 /80

AD2008-14-7 inspected fuel injection lines and clamps, no defects found. Due again at 895 hrs

AD99-04-04 replaced left mag impulse coupling. Due again at 1045hrs

AD84-26-02 replaced paper air filter p/n 638873. Replace again by 1295hrs

AD2011-15-10 n/a avstar fuel servo not installed

Drained oil, and removed filter. Cleaned and inspected oil suction screen, found OK. Cut open and inspected oil filter and found OK.

Serviced with 12qts Aeroshell 15W50 oil and replaced CH48110-1 oil filter.

Replaced gasket on oil pressure regulator and safetied.


Cleaned and inspected fuel servo inlet screen, found OK.

Performed 500hr inspection on Left Magneto.

Secured airbox to fuel servo.

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

Lumanair, Inc. FAA Certified Repair Station # CGFR811C


Scott M. Luman

Date: 1-10-12 WO # LUM6730 Tach/Hobbs: 795.2 Total Time:

SMOH:

Lumanair, Inc.

Aurora Municipal Airport

Sugar Grove, IL

1- 76 /80 2- 78 /80 3- 77 /80 4- 75 /80 5- 77 /80 6- 76 /80

AD2011-26-04 c/w by visual inspection of fuel lines and clamps. No defects noted

AD84-26-02 inspected filter, found OK. Replacement due 1295hrs.

Drained oil, cut open and inspected filter and found OK. Cleaned oil suction screen.

Serviced with 12 qts AS15W50.

Cleaned and inspected fuel inlet screen

Run up and leak check OK.

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

Lumanair, Inc. FAA Certified Repair Station # CGFR811C



Scott M. Luman

Date: 3/1/13 WO # LUM7126 Tach/Hobbs: 849.4 Total Time: 849.4 SMOH: 849.4

Lumanair, Inc.

Aurora Municipal Airport

Sugar Grove, IL.

Drained oil, cut open and inspected filter, found OK. Replaced CH48110-1 filter and serviced with 11qts AS15W50. Washed engine. Run up and leak check OK.

Lumanair, Inc. FAA Certified Repair Station # CGFR811C



Scott M. Luman

Date: 8/1/13 WO # LUM7250 Tach/Hobbs: 903.0

Lumanair, Inc.**Aurora Municipal Airport****Sugar Grove, IL**

1- 76 /80 2- 74 /80 3- 77 /80 4- 77 /80 5- 72 /80 6- 76 /80

C/WAD2011-26-04 by inspection of fuel injection lines and clamps per lyc sb 342f. OK. Due again by 1035hrs.

C/W AD84-26-02 by visual inspection of paper air filter. Replace at 1295.2hrs

Drained oil, cut open and inspected filter. Found OK. Serviced engine with 12qts AS15W50 oil and replaced CH48110-1 filter.

Cleaned and inspected oil suction screen.

Cleaned, inspected and resealed fuel inlet screen.

Cleaned fuel injectors and removed fuel stains from cylinder heads.

Replaced 12REM38E spark plugs.

Tightened oil return line coupling clamps.

Washed engine, run up and leak check OK.

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

Lumanair, Inc. FAA Certified Repair Station # CGFR811C
Scott M. Luman

Date: 4/28/14 WO #LUM7437 Tach/Hobbs: 935.5 Total Time: 935.5 SMOH: 935.5

MODEL	S/N	A/C REG.	W.O. #	ENG TT:	TSN:	Hr Mtr	DATE:
IO-540-K1G5	L-28140-48A	N71RL	LUM7748	983.4	983.4	983.4	5/4/15



LUMANAIR
AVIATION
SERVICES

Lumanair, Inc. (KARR)
43W624 US HWY 30
Sugar Grove, IL 60554
P: (630) 466-4886
F: (630) 466-4887

ENGINE LOGBOOK ENTRY

Engine Differential Compression Check					
No 1	No 2	No 3	No 4	No 5	No 6
75/80	71/80	75/80	70/80	72/80	75/80

Inspections Performed:

- Annual Inspection
- AD2011-26-04 Inspected fuel injection lines and clamps per Lyc. SB342. OK. Due again by 1083.4
- AD99-04-04 not due at this time. Due at 1045hrs
- AD84-26-02 not due at this time. Filter replacement due at 1295.2

Maintenance Performed:

- Drained oil. Cut open and inspected filter, found OK. Replaced CH48110-1 filter. Serviced engine with 12qts AS15W50 oil.
- Cleaned and inspected fuel suction screen.
- Replaced 6 intake gaskets p/n 71973.

Page 1 of 2

I certify this engine is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals.

Lumanair, Inc.
CRS-CGFR811C

Name: Scott M. Luman Page 2 of 2

and Remarks	Signature	Certificate No.

MODEL	S/N	A/C REG.	W.O. #	ENG TT:	TSN:	Hr Mtr	DATE:
PA32R-301	3246197	N71RL	LUM7967	1003.8	-	1003.8	11/16/15

ENGINE LOGBOOK ENTRY

Lumanair, Inc. (KARR)
 43W624 US HWY 30
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 P: (630) 466-4866
 F: (630) 466-4987

Maintenance Performed:

- Drained oil, cut open and inspected filter, found OK. Replaced CH48110-1 filter and serviced with 12qts AS15W50. Run up and leak check OK.

I certify this engine is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals.

Lumanair, Inc.
 CRS-CGFR811C

Name: 

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MODEL	ENGINE S/N	A/C REG.	W.O. #	TT	-	TACH	DATE:
IO-540-K1G5	L-28140-48A	N71RL	LUM8134	1022.1	-	1022.1	7/29/16



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ENGINE LOG ENTRY

Engine Differential Compression Check					
No 1	No 2	No 3	No 4	No 5	No 6
70/80	72/80	75/80	73/80	70/80	76/80

INSPECTIONS PERFORMED:

- AD84-26-02 by replacement of air filter.
- AD2015-19-07 Fuel line inspection per Lycoming SB 342.
- Lycoming SB621B not affected per code stamped on pump flange.
- AD99-04-04 Magneto impulse coupling per Slick SB1-98.

MAINTENANCE ACTIONS PERFORMED:

- Replaced oil drain back tubes on cylinders 1 and 3, P/N's 73027 and 72702.

Total To Carry Forward				

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ENGINE LOG

MODEL	ENGINE S/N	A/C REG.	W.O. #	TT	TSMO	HOBBS	DATE:
IO-540-K1G5	L-28140-48A	N71RL	LUM8346	1076.8	-	1076.8	6-1-2017



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ENGINE LOG ENTRY

Engine Differential Compression Check					
No 1	No 2	No 3	No 4	No 5	No 6
79	71	79	76	74	77

INSPECTIONS PERFORMED:

- **100Hr/Annual Inspection**
- AD99-04-04 Mag impulse coupling. Accomplished on LH mag, check good.

MAINTENANCE ACTIONS PERFORMED:

- Drained oil, removed oil filter and inspected, no metal found. Installed new filter P#CH48110-1, 12 Qts Aeroshell 15W-50 with Camgaud.
- Removed spark plugs, cleaned, gapped and tested. Installed plugs with new gaskets P#M674 (qty 12).
- Complied with 500 Hr mag inspection on the LH mag P#6351 S#03070112. Installed new points kit P#M3081 and new key P#M2536. Installed mag with new gaskets P# LW12681 & P#62224, and timed to engine.

Page 1 of 2

Tot
Carry Forward




MODEL	ENGINE S/N	A/C REG.	W.O. #	TT	TSMO	HOBBS	DATE:
IO-540-K1G5	L-28140-48A	N71RL	LUM8346	1076.8	-	1076.8	6-1-2017

- Complied with 500 Hr mag inspection on the RH mag P#6350 S#05071361. Installed new points kit P#M3081, new brushes P#K3215, and new key P#M2536. Installed mag with new gaskets P#LW12681 & P#62224, and timed to engine.

I certify this engine is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals.

Lumanair, Inc.
CGFR811C


Name: Sean Blumenschein Page 2 of 2

MODEL	ENGINE S/N	A/C REG.	W.O. #	TT	-	HOBBS	DATE:
IO-540-K1G5	L-28140-48A	N71RL	LUM8664	1107.1	-	1107.1	7-02-18



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ENGINE LOG ENTRY

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lenance

Engine Differential Compression Check					
No 1	No 2	No 3	No 4	No 5	No 6
76	75	79	74	75	76

INSPECTIONS PERFORMED:

- Annual Inspection.
- C/W A.D. 2015-19-17 fuel line insp., due again @1117.1 tach.
- C/W S.B. 1161A side brace mount inspection, found ok.

MAINTENANCE ACTIONS PERFORMED:

- Drained oil, removed oil filter and inspected, no metal found. Installed new filter P/N CH48110-1, 11 QTS. Aeroshell 15W-50 with Camgaud.
- Removed spark plugs, cleaned, gapped and tested. Installed plugs with new gaskets P/N M674.
- Inspected and cleaned oil suction screen, installed new gasket P/N MS35769-21.
- Inspected and cleaned fuel servo inlet screen.

Continued		on next page		→	
Total To Carry Forward					

MODEL	ENGINE S/N	A/C REG.	W.O. #	TT	-	HOBS	DATE:
IO-540-K1G5	L-28140-48A	N71RL	LUM8664	1107.1	-	1107.1	7-02-18

ite No.

- Timed left and right magneto to 20 degrees BTDC, installed new gaskets P/N's LW12681 and 62224.
- Performed ground run up check for leaks, no leaks noted at this time.

I certify this engine is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals.

Lumanair, Inc.
CGFR811C

Name: James Tyler

Page 2 of 2

MODEL	ENGINE S/N	A/C REG.	W.O. #	TT	-	HOBBS	DATE:
IO-540-K1G5	L-28140-48A	N71RL	LUM8878	1113.2	-	1113.2	3/17/19



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ENGINE LOG ENTRY

Engine Differential Compression Check					
No 1	No 2	No 3	No 4	No 5	No 6
74/80	75/80	76/80	76/80	73/80	72/80

INSPECTIONS PERFORMED:

- Annual Inspection.

MAINTENANCE ACTIONS PERFORMED:

- Cut open and inspected oil filter. Found OK. Oil not changed at this time. Added one quart AS15W50 oil.

I certify this engine is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals.

Lumanair, Inc.
CGFR811C

Name: Scott Luman

Page 1 of 1

Total To Carry Forward				

MODEL	S/N	A/C REG.	W.O. #	TT	-	HOBBS	DATE:
IO-540-K1G5	L-28140-48A	N71RL	LUM9245	1131.8		1131.8	8/11/2020



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ENGINE LOG ENTRY

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F: (630) 466-4987

le No.

#1	#2	#3	#4	#5	#6
71/80	63/80	72/80	71/80	67/80	73/80

INSPECTIONS PERFORMED:

- Annual inspection.

MAINTENANCE ACTIONS PERFORMED:

- Drained oil and cut open filter. No defects found. Installed new CH48110-1 oil filter and safety wired. Serviced with one bottle of Camgaud and serviced with 12 qts of Aeroshell 15W50.
- Cleaned, gapped, tested and rotated the spark plugs. Installed with new gaskets P/N M-674.
- Cleaned and inspected oil suction screen. Reinstalled with new gasket P/N MS35769-21.
- Cleaned and inspected fuel servo inlet screen. Reinstalled with new gaskets P/N 951790 & 951392.
- Installed spiral wrap on spark plug lead.
- Leak check ok. Ops check ok.

I certify this airframe is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals.

Lumanair, Inc.
CRS-CGFR811C


Name: _____ Page 1 of 1

MODEL	S/N	A/C REG.	W.O. #	TT	-	HOBBS	DATE:
IO-540-K1G5	L-28140-48A	N71RL	4464	1140.6		1140.6	7/12/2022



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ENGINE LOG ENTRY

#1	#2	#3	#4	#5	#6
72/80	71/80	76/80	76/80	71/80	72/80

INSPECTIONS PERFORMED:

- Annual Inspection.
- C.W. AD 2015-19-07 By inspection of the fuel injector lines and clamps.

MAINTENANCE ACTIONS PERFORMED:

- Drained oil and cut open filter. No defects found. Installed new CH48110-1 oil filter and safety wired. Serviced with one bottle of Camgaord and serviced with 12 qts of Aeroshell 15W50.
- Cleaned, gapped, tested and rotated the spark plugs. Installed with new gaskets P/N M-674.
- Cleaned and inspected oil suction screen. Reinstalled with new gasket P/N MS35769-21.
- Cleaned and inspected fuel servo inlet screen. Reinstalled with new gaskets P/N.951790 & 951392.
- Cleaned and inspected fuel injectors.

					Continued → <i>By 10F2</i>
Total To Carry Forward					

MODEL	S/N	A/C REG.	TT	-	HOBBS	DATE:
10-540-K1G5	L-28140-48A	N71RL	1151.6		1151.6	6-4-24

ENGINE LOG ENTRY

#1	#2	#3	#4	#5	#6
70/80	72/80	74/80	73/80	72/80	73/80

INSPECTIONS PERFORMED:

- Annual inspection.
- C.W. AD 2015-19-07 By inspection of the fuel injector lines and clamps. Due again @ 1261.6 HOBBS or by 6/25.

MAINTENANCE ACTIONS PERFORMED:

- Drained oil, cut open filter and inspected for foreign particulates and ferrous metal, found clean. Installed new Champion oil filter P/N CH48110-1 and safety wired. Serviced with Camgaurd and with 11qts of Aeroshell 15W50.
- Cleaned, gapped, tested and rotated the spark plugs. Installed with new gaskets P/N M-674.
- Cleaned and inspected oil suction screen. Reinstalled with new gasket P/N MS35769-21.
- Cleaned and inspected fuel servo inlet screen. Reinstalled with new gaskets P/N 951790 & 951392.

P3 10FA

Continued →

Total To Carry Forward				

