



LEFT
**ENGINE
MAINTENANCE
RECORDS**

Aircraft Registration N1543G
Engine Position Left
Engine Serial No. 267172-R



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N 1543G

Engine Manufacturer TCM

Model GTSID-520-H

Serial No. 267172-R

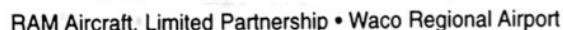
Date installed on aircraft _____

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

☐ Right ☒ Left

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Since Major Overhaul: 00.0

Date: 1-28-04

TCM GTSIO-520-H (Left Engine S/N 267172-R

David L. Bailey

RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco, Texas 76708 CRS VA1R551K

				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
7/24/04	1150.4	00.0	^{RAB} 629.4	Installed this engine on Cessna 421B S/N 421B-0639 in left position using new eng. load mounts & bolts. All hoses replaced with new. All eng accessories including turbo charger overhauled. Eng. final set up to be performed by TAS Aviation technicians. RW Houch AEP 2071921
8-24-04	1151.7	^{160 RAB} 1.3	631.0	Annual Inspection accomplished this date. Run-up & flight test accomplished. Cyl compressions check OK I certify that this <u>Engine</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in an airworthy condition. All A. D.'s up to and including <u>2004-17</u> have been complied with <u>RW Houch AEP 2071921 IA</u>



**N1543G (Left Engine Logs)
TCM GTSIO 520H S/N 267172-R**

Inspected engine as required by FAR91.409 per inspection meeting requirements of FAR 43 App. D.

Changed oil and filter (Aeroshell 100W)

Compression #1 79/80 #2 75/80 #3 75/80 #4 78/80 #5 73/80 #6 79/80

Current Compression and bore-scope Meets Requir. of TCM SB03-3 Diff. Pressure Test 3/28/03. (Master Orifice reading Minimum 46 PSI)

Repaired baffles and seals as required. Cleaned and rotated spark plugs. Cleaned and resealed injector nozzles.

CW AD72-14-08 R1 Effective Date 07/14/72 Flexible hose assemblies. Hoses changed at engine change meeting TSO C53a. Per SAIB #CE-03-41 no further inspection is required..

AD84-26-02 Effective Date - 01/29/85 Paper induction air filters CW by replacement of left/right engine filter at 7/04 @ 629.7 due again in (500)

RAM Aircraft Corp. MT-2 9/15/95 Air Filter change each 300 hr. or 12 months.

DATE 5/10/2005

HOBBS 637.2

Eng TT 1157.9 TSMOVH ^{7.8 RAB}

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

ANTHONY R. SAXTON

AP270560767IA

Anthony R. Saxton

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
1-19-07	1218.1	507 68 RAB	697.4	TOTALS brought forward from previous page
1-19-07	1300.3	697 RAB 81.2	716.6	CHANGED OIL & FILTER CUT OPEN FILTER INSTALLED CH-48111-1 FILTER AND PHILLIPS 20x50 OIL US Moshier AP489485105
8/22/07	1315.3	112.2	741.6	INSPECTED ENGINE AS REQUIRED BY FAR 91.409 per Inspection meeting requirements of FAR 43 App(D) using 421B checklist. changed oil & Filter 12 QTS (Phillips 20 w 50) compression CK AS FOLLOWS 1) $\frac{72}{80}$ 2) $\frac{74}{80}$ 3) $\frac{75}{80}$ 4) $\frac{74}{80}$ 5) $\frac{73}{80}$ 6) $\frac{75}{80}$. Installed New Spark Plugs RHB 32E ON ALL CYLINDERS. cleaned injector nozzles. All AD'S thru 07-05-15 C/W. I certify that this Engine has BEEN INSPECTED IN ACCORDANCE WITH AN 100 hr Inspection AND WAS DETERMINED TO BE IN Airworthy condition. Robert Bobo A/P 2961799 END
8/22/07	1315.3	112.2	741.6	CUT OIL FILTERS, INSPECTED FOR METAL AND NONE FOUND. Robert Bobo AP 2961799 END
9-4-07	1315.3	112.2	741.6	I certify that this engine has been inspected 11A/4 an annual inspection and was found to be in airworthy condition Dr O'Connor AP 3090806 FA
SUB-TOTALS this page				
TOTALS—Carry forward to next page				741.6

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
1/3/08			761.6	Removed McCauley DeFeathering Accumulator Mod # D20230-A, Placarded Instrument Panel AS Follows DeFeathering Accumulators ON Left AND right ENGINE Removed AND INOP. For Weight & Balance See AirFrame log. ————— END ————— ————— Robert Bole A/P 2961799 —————

DATE 10/24/2008 N1543G Left Engine
TTAF: 2475 A/C HOBBS: 762.6 TTE: 1336.3 SMOH: 133.2
Completed inspection using FAR 43 App. D and checklists as a guide.
Drained oil, sample taken. Checked filter for contamination, none found.
Serviced with eleven quarts of Phillips 20/50 oil and new CH48111-1
filter. Checked intake and exhaust systems. Checked all engine accessories
for security and operation. Checked motor mounts and shocks. Checked all
fuel and oil lines. Checked compressions as follows: #1 74/80 #2 74/80 #3
72/80 #4 72/80 #5 68/80 #6 75/80. Cleaned gapped and tested all
sparkplugs. Inspected propeller. Removed minor nicks. Checked ADs for
compliance through 2008-21. See permanent AD compliance records in
A/C logs dated 10/23/2008.

I CERTIFY THIS ENGINE AND PROPELLER HAVE BEEN
INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION
AND WAS FOUND TO BE IN AIRWORTHY CONDITION. “

MICHAEL E. OCONNER AP 3090806 IA

M. Oconner

DATE 11/20/2009 N1543G Left Engine
TTAF: 2527.5 A/C HOBBS: 815.1 TTE: 1388.8 SMOH: 185.7

Completed inspection using FAR 43 App. D and checklists as a guide. Drained oil, sample taken. Checked filter for
contamination, none found. Serviced with eleven quarts of Phillips 20/50 oil and new CH48111-1 filter. Checked
intake and exhaust systems. Checked all engine accessories for security and operation. Checked motor mounts and
shocks. Checked all fuel and oil lines. Replaced turbo waste gate gasket P/N 24096-200N. Found manifold pressure
line blocked at 90 degree elbow at rear engine baffle. Replaced elbow P/N AN833-2. Ops checked OK. Checked waste
gate operation OK. Checked compressions as follows: #1 70/80 #2 72/80 #3 70/80 #4 72/80 #5 68/80 #6 75/80. Master
orifice = 45. Cleaned gapped and tested all sparkplugs. Inspected propeller. Removed minor nicks. Checked ADs for
compliance through 2009-21. See permanent AD compliance records in A/C logs dated 11/20/2009.
23 M.O.

I CERTIFY THIS ENGINE AND PROPELLER HAVE BEEN INSPECTED IN ACCORDANCE WITH AN
ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. “

MICHAEL E. OCONNER AP 3090806 IA

M. Oconner

SUB-TOTALS this page

TOTALS—Carry forward to next page

AIRCRAFT MAINTENANCE SERVICE LLC
3430 Old Columbus Rd. HANGAR "J"
Carroll, Ohio 43112 740-808-0651 LEFT N1543G

Date: 7/1/2011 Hobbs: 0859 TTE: 1432.8 SMOH: 229.7
TTP: 229.7 SMP: 229.7

Completed inspection using FAR 43 Appendix d and Aircraft Maintenance Service checklists as a guide. Drained oil. Checked filters for contamination, none found. Serviced with eleven quarts of Phillips 20/50 oil and new CH48111-1 filter. Engine cylinder compression was as follows: Master orifice = 43 psi: #1 70/80, #2 69/80, #3 72/80, #4 72/80, #5 63/80 and #6 76/80. Installed absolute density controller, wastegate controller and wastegate repaired by G&N Aircraft Engines. RS# MW2R020L. Checked ignition timing. Checked engine controls for security and travel. Inspected motor mounts and shocks. Inspected intake and exhaust systems, including turbocharger components. Checked all engine accessories for security and operation. Cleaned, gapped and tested all spark plugs. Replaced all M674 gaskets. Cleaned engine compartment. Ops ran engine. No oil leaks seen. All systems were normal. All AD's have been checked for compliance through 2011-12. See, revised, permanent airworthiness directive compliance records dated 2/14/2011.

I certify this engine and propeller have been inspected in accordance with an ANNUAL inspection and was found to be in airworthy condition.

Michael E. OConner AP 3090806 IA

M. O Conner



N1543G (Left Engine Logs)
TCM GTSIO 520H S/N 267172-R

Inspected engine as required by FAR91.409 (a) (1) per inspection checklist meeting requirements of FAR 43.15 (2)(c) and FAR 43 App. D. Performed post operational checks per FAR43.15 (c)

Changed oil and filter. (Phillips X/C 20/W50) Compression #1 77/80 #2 78/80 #3 76/80 #4 76/80 #5 74/80 #6 79/80

Current Compression Meets Requirements of TCM SB84-15 Cylinder Leak Check dated 12/21/84. (Master Orifice reading Minimum 47 PSI

Cleaned and rotated spark plugs. Cleaned and resealed fuel injector nozzles.

CW AD2007-05-15 eff. 4/16/2007(Supersedes 2005-20-04) (GTSIO520 only) (TCM MSB94-4F) Starter adapter reoccurring inspection

(h) 100 hr/ or annual Starter drive backlash inspection per MSB94-4F part 2 (max .06") (measured .04,.05,.04,.04)

DATE 8/28/2012

HOBBS 895.4

Engine Total time 1416.1

Engine TSMOVH 265.7

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

Stephen Fortner AP27977031A

Stephen Fortner

SUB-TOTALS this page

TOTALS—Carry forward to next page

7
Aircraft Maintenance Service LLC
3430 Old Columbus Rd
Carroll, Ohio 43112
740-808-0651

Date: 8/23/2013 TTAF: 1427.2
TTE: 1427.2 SMOH: 276.8

Removed inop Tach. Gen. PN0850350-5RX
Installed overhauled PN0850350-5RX
s/n 18781. See form 8130-3 dated
Aug 07, 2013. Work performed I/A/W
Cessna 412 Maintenance Manual. OPS
ran engine, Tach performed normally
Tach checked for accuracy.
Michael E. O'Conner AP 3090806 IA

M. O'Conner

DESCRIPTION OF WORK PERFORMED—
New Text NATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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AIRCRAFT MAINTENANCE SERVICE LLC
3430 Old Columbus Rd. HANGAR "J"
Carroll, Ohio 43112 740-808-0651

N1543G LEFT ENGINE/PROP

Date: 9/18/2013 Hobbs: 907.2 TTE: 1481 SMOH: 277.9
TTP: 277.9 SMP: 277.9

Completed inspection using FAR 43 Appendix d and Aircraft Maintenance Service checklists as a guide. Drained oil. Checked fuel and oil filters for contamination. None found. Installed new AA48111-1 filter and filled with twelve quarts of Phillips XC 20/50 oil. Cleaned gapped and tested all sparkplugs. Installed all new M674 gaskets. Checked ignition timing. Lubed and checked engine controls for security and travel. Inspected motor mounts and shock mounts. Inspected intake and exhaust systems. Checked all engine accessories for security and operation. Checked engine compressions: #1 64/80, #2 66/80, #3 53/80, #4 69/80, #5 58/80 and #6 70/80. Cleaned engine and engine compartment. Ops ran engine. Adjusted idle speed. No oil leaks seen. All systems were normal. All AD's have been checked for compliance through 2013-18. See revised, permanent airworthiness directive compliance records dated 9/13/2013. Balanced propeller using Dynavibe System to 0.05 IPS.

I certify this engine and propeller have been inspected in accordance with an ANNUAL inspection and was found to be in airworthy condition.

Michael E. O'Conner AP 3090806 IA

M. O'Conner

Aircraft Maintenance Service LLC
3430 Old Columbus Rd
Hangar R2
Carroll, Ohio 43112

10/24/2014

LEFT ENGINE **N12345**

Hobbs: 925.1 TTAF: 2637.1 TTE: 1498.9 SMOH: 295.8

TTP: 295.7 SMP: 8.50

Performed annual inspection I/A/W FAR 43 Appendix D and Aircraft Maintenance Service check lists. Ops ran engine. All systems were normal. Drained oil. Checked oil filters for contamination. None found. Serviced with twelve quarts of Phillips 20W50 oil and new CH48111 oil filter. Inspected all accessories for security and operation. Cleaned, gapped and tested all sparkplugs. Checked ignition system and timing. Inspected intake, fuel, turbocharger and exhaust systems. Checked engine and propeller controls for security and proper travel. Inspected all fuel, oil and hydraulic lines. Inspected engine shock mounts and motor mounts. Inspected propeller and spinner. Master orifice = 44/80. Checked cylinder compression: #1 70/80, #2 77/80, #3 71/80, #4 74/80, #5 70/80 and #6 71/80. Owner operator OPS ran engines, all systems were normal. All AD's have been checked for compliance through 2014-20. See permanent updated AD records dated 10/24/2014.

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

Michael E. O'Conner AP 3090806 IA

M. O'Conner

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

**N1543G (Left Engine Logs)****CMI GTSIO-520H****S/N 267172-R**

Inspected engine per 100 hr. checklist meeting requirements of FAR 43 App. D. in conjunction with Annual Inspection on Cessna 421B, s/n 4421B0639 this date. Performed post inspection operational checks per FAR43.15 (c)

Changed oil and filter service with (Phillips 20W50 oil)

Compression #1 76/80 #2 70/80 #3 78/80 #4 76/80 #5 78/80 #6 70/80 Borescope insp. completed.

Current Compression and bore-scope Meets Require. of TCM SB03-3 Diff. Pressure Test 3/28/03. (Master Orifice reading Minimum 46 PSI)

Removed and inspected lifters and cam or #5 and #6 cylinders OK. Cleaned and gapped spark plugs. Checked mag timing.

Fabricated and installed new fuel pump vent line to overboard.

CW AD2007-05-15 eff. 4/16/2007(Supersedes 2005-20-04) (GTSIO520 only) (TCM MSB94-4F) Starter adapter reoccurring inspection

Replacement of needle bearings (found bushing installed no further action.)

(g) Unscheduled Inspection due following any engine rough-Running

(h) 100 hr/ or annual Starter drive backlash inspection per MSB94-4F part 2 (max .06") (due again in 100 hr. at 1036.5)

(j) 400 hr. Removal inspection per MSB94-4 part 3 Removed and inspected starter drive and engine gears OK. Reinstalled per Continental MM Due again in 400 hr. at Hobbs 1336.4

CW AD84-26-02 Effective Date - 01/29/85 Paper induction air filters CW by replacement of left/right engine filter due again in (500 hr.)

RAM Aircraft Corp. MT-2 9/15/95 Air Filter change each 300 hr. or 12 months.

DATE 2/19/2016 HOBBS 936.5 AIRCRAFT TOTAL TIME 2548.9 Engine TT 1510.3 Engine TSMOVH 307.2

"I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 Hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION."

Anthony R. Saxton AP32537461A *Anthony R. Saxton*

**N1543G (Left Engine Logs)****CMI GTSIO-520H****S/N 267172-R**

Changed oil and filter service with (Phillips 20W50 oil) Inspected filter and took oil samples.

Removed left vacuum pump and sealed fittings. Replaced accessory drive seal #25102. Replaced numerous vacuum and deice pressure line in engine compartment with new Mil H6000-5/8" hose and fire sleeve.

DATE 7/14/2016 HOBBS 963.4 AIRCRAFT TOTAL TIME 2575.8 Engine TT 1537.2 Engine TSMOVH 334.1

Anthony R. Saxton AP32537461A *Anthony R. Saxton*

**N1543G (Left Engine Logs)****CMI GTSIO-520H****S/N 267172-R**

Inspected engine per 100 hr. checklist meeting requirements of FAR 43 App. D. in conjunction with Annual Inspection on Cessna 421B, s/n 4421B0639 this date. Performed post inspection operational checks per FAR43.15 (c)

Changed oil and filter service with (Phillips 20W50 oil)

Compression #1 70/80 #2 76/80 #3 78/80 #4 78/80 #5 64/80 #6 68/80 Borescope insp. completed.

Current Compression and bore-scope Meets Require. of TCM SB03-3 Diff. Pressure Test 3/28/03. (Master Orifice reading Minimum 46 PSI)

Cleaned and resealed fuel injector nozzles. Cleaned and gapped spark plugs. CW Magneto timing per Continental M-O manual section 6-4.9.1

(superseded MSB94-8D) Magneto to Engine Timing (Continental) Replaced #4 cylinder intake gaskwt.

CW AD2007-05-15 eff. 4/16/2007(Supersedes 2005-20-04) (GTSIO520 only) (TCM MSB94-4F) Starter adapter reoccurring inspection

(g) Unscheduled Inspection due following any engine rough-Running

CW (h) 100 hr/ or annual Starter drive backlash inspection per MSB94-4F part 2 (max .06") (02/04/02/04) (due again in 100 hr. at 1083.1)


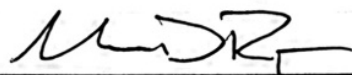
(j) 400 hr. Removal inspection per MSB94-4 part 3 Due at Hobbs 1336.4

AD2016-16-12 eff. Date 9/15/2016 ECi cylinder removal. NA affected cylinders not installed.

DATE 9/1/2017 HOBBS 983.1/ AIRCRAFT TOTAL TIME 2595.5 Engine TT 1556.9 Engine TSMOVH 353.8

"I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 Hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION."

Anthony R. Saxton AP32537461A *Anthony R. Saxton*

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">  <p>TREGO/DUGAN AVIATION</p> </div> <div> <p>N1543G</p> <p>Date: 10/20/2017</p> <p>Engine Model: GTSIO-520-H</p> </div> <div> <p>L/H Engine</p> <p>Cessna 421B</p> <p>S/N: 421B0639</p> <p>Engine Serial: 267172-R</p> </div> <div> <p>W/O: 17-6214</p> <p>Hobbs: 1012.1</p> </div> </div> <ul style="list-style-type: none"> Drained L/H engine oil and secured oil sample for analysis. Removed oil filter and replaced with new, (P/N: CH48111-1). Serviced engine with 12 quarts Conoco-Phillips X/C 20w50 aviation engine oil. Ground-ran, leak-check – successful. Ref. Cessna 421B Service Manual. <div style="text-align: center; margin-top: 20px;">  <hr/> <p>Matthew D Rapien 3834898 A/P</p> </div>				




7929 Karl May Dr.
Waco, Texas 76708
CRS No. AK6R541N

Hobbs: 1022.8
Date: 12/05/2017

Continental GTSIO-520-H S/N I-267172-R

On above referenced engine, installed overhauled wastegate assembly, P/N 470830-9010 S/N IH-UE000022. (Sec 8130-3.) Replaced manifold pressure fitting in inner cooler. Adjusted prop governor RPM's per Specs. Checked set-up of systems per Specs. Engine ground run-up leak check good and is approved for return to service for maintenance performed. Pertinent details on file under work order 4594.


Air Impressions, Inc.
CRS# AK6R541N

Air Impressions W/O 4594 N1543G 8130-3 Maintenance Release Tags
LH ENGINE S/N 267172-R

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

MODEL	ENGINE S/N	A/C REG.	W.O. #	-	HR MTR	DATE:
GTSIO520-H	267172-R	N1543G	LUM8534	-	1050.9	1/16/18



**LUMANAIR
AVIATION
SERVICES**

ENGINE LOG ENTRY

Lumanair, Inc. (KARR)
43W624 US HWY 30
Sugar Grove, IL 60554
P: (630) 466-4866
F: (630) 466-4987

MAINTENANCE ACTIONS PERFORMED:

- Changed oil and filter. Filter opened and found clean. Serviced with Phillips 20W50 and Camgaurd.
- C/W AD 2000-01-16 per para (b) visual inspection of the exhaust system, no damage found. Re-inspect per (b) by 1100.9 hobbs time.
- Replaced cylinder #4 fuel injection line from the flow divider to the nozzle with a factory new line part no# 636114.

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 1 of 1

02/22/20 N1543G Cessna C-421B S/N 421B0639 Continental GTSIO -520-18 S/N 600487 Left Engine
Hobbs 1084.7 SMOH 385.0

CORRECTIVE ACTIONS TAKEN

"TURBOCHARGER HAS CONSTANT STICKING AFTER PERIODS OF NON USE"

*Remove turbocharger. Install overhauled unit provided by Hartzell Engine Technologies. Work performed under work order M680170, dated 06/28/19 with form 8130-3 supplied. Turbo p/n 408610-9001 and s/n H-WFR00165. Installed using new mount gaskets provided by RAM AIRCRAFT. Form 8130-3 also supplied for gaskets (Work order PLS173821, dated 02/11/20). P/N 2176-200N and S/N 2176-300N.

*Replaced oil inlet supply line to turbo due to heat damage. Hose supplied by Eaton Aeroquip Service, Inc. under work order P110014, dated 11/15/16 with form 8130-3 supplied. P/N AR1168-6.

*Engine ground run with operations normal and no leaks noted.

AIR PROFESSIONALS

PEARLAND REGIONAL AIRPORT
(281) 992-3484

RANDY WAHLBERG
A&P 3563642

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TOTALS—Carry forward to next page

MODEL	ENGINE S/N	A/C REG.	W.O. #	SMOH	TACH	HR MTR	DATE:
GTSIO-520-H	267172-R	N1543G	LUM9171	389.5	-	1089.2	9/15/20

DATE



**LUMANAIR
AVIATION
SERVICES**

LH ENGINE LOG ENTRY

Lumanair, Inc. (KARR)
43W624 US HWY 30
Sugar Grove, IL 60554
P: (630) 466-4866
F: (630) 466-4987

G WORK

Engine Differential Compression Check					
No 1	No 2	No 3	No 4	No 5	No 6
73/80	69/80	67/80	71/80	64/80	70/80

INSPECTIONS PERFORMED:

- Annual Inspection
- C/W AD 2000-01-16 Exhaust inspection IAW par. (B,C,D, & E) no defects found.
- C/W AD 2007-05-15 Starter adapters' backlash found within tolerance.

MAINTENANCE ACTIONS PERFORMED:

- Changed the oil and filter. Inspected the old filter, no defects found. Serviced the engine with 11 qts of Phillips 20W-50 and a CH48111-1 Filter. Leak check ok.
- Installed new pushrod seals on cylinders #1, 4, & 6. Leak check ok.
- Removed the mags for 500 hour inspection. Reinstalled the mags with new gaskets. Timed the mags to the engine. Run up, mag check ok.
- Installed new gaskets on cyl. #1 and 5 intake tubes.
- Removed and replaced the hoses and clamps for the oil return lines.
- Torqued the fittings and hardware on the vacuum pump.
- Replaced the oil filler neck gasket.
- Secured all lines and wire bundles to avoid further chafing.

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. #	SMOH	-	HR MTR	DATE:
GTSIO-520-H	267172-R	N1543G	LUM9608	406.0	-	1105.7	10/20/21



**LUMANAIR
AVIATION
SERVICES**

LH ENGINE LOG ENTRY

Lumanair, Inc. (KARR)
43W624 US HWY 30
Sugar Grove, IL 60554
P: (630) 466-4866
F: (630) 466-4987

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

INSPECTIONS PERFORMED:

- Annual Inspection
- C/W AD 2000-01-16 Exhaust inspection IAW par. (B,C,D, & E) no defects found.
- AD 2020-16-11 crossflow cylinder assy integrity N/A by engine O/H date.
- C/W AD 2007-05-15 Starter adapters' backlash not due until 2898.6 A/C TT.

MAINTENANCE ACTIONS PERFORMED:

- Changed the oil and filter. Inspected the old filter, no defects found. Serviced the engine with 11 qts of Phillips 20W-50, camgard and a CH48111-1 Filter. Leak check ok.
- Checked timing of the magneto to engine, found ok.

fy 1 of 2

Continued on next page. →

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MODEL	ENGINE S/N	A/C REG.	W.O. #	SMOH	-	HR MTR	DATE:
GTSIO-520-H	267172-R	N1543G	LUM9608	406.0	-	1105.7	10/20/21

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DA

- Cleaned, gapped and inspected sparkplugs. Installed with new copper gaskets P/N M-674.
- Repaired terminal on the 'p' lead wire on the left magneto, performed test, found ok.
- Secured all lines and wire bundles to avoid further chafing.

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. #	TSMOH	-	HOBBS	DATE:
GTSIO-520-H	267172-R	N1543G	4852	426.9	-	1126.6	12/5/2023

rev AVIATION

Carver Aero LLC DBA Revv Aviation
43W624 US HWY 30
Sugar Grove, IL 60554
P: (630) 466-4866

LEFT ENGINE LOG ENTRY

Engine Differential Compression Check					
No 1	No 2	No 3	No 4	No 5	No 6
80/80	74/80	75/80	77/80	77/80	74/80

INSPECTIONS PERFORMED:

- Annual Inspection
- C/W AD-2000-01-16 exhaust inspection para: (B)(C)(E)(f), found ok.
 - Para (b) due again at 1176.6 hobbs
 - Para (c) due again by 12/2024
 - Para (d) due at 1605.7 hobbs
 - Para (e) due again by 12/2024
 - Para (f) due again at 1626.6 hobbs

MAINTENANCE ACTIONS PERFORMED:

- Drained oil and removed the filter. Cut open the filter, no defects found. Serviced the engine with 11qts of Phillips 20w50 oil and a AA48111-2 filter.
- Removed, inspected and cleaned the fuel servo inlet screens. Re-installed with new seals.
- Removed, cleaned, gapped and tested the spark plugs. Re-installed with new gaskets.
- Installed a new case breather line hose.
- Installed a new wastegate inlet clamp P/N: 4256AB200.
- Performed a ground run-up test. Ops 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.

Carver Aero LLC DBA Revv Aviation
CGFR811C

Name: 

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