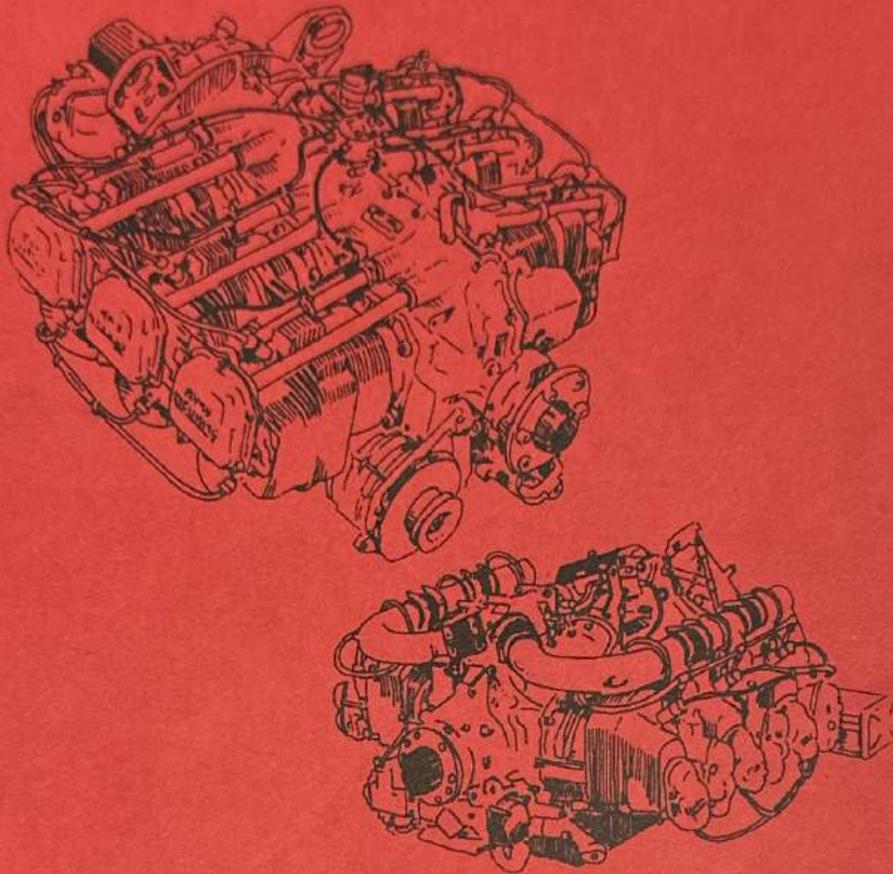


# Right ENGINE

## Engine Maintenance Records



Central Illinois Air Corporation

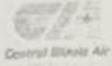
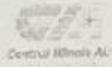
480 Airport Road, Mattoon, IL 61938

217-234-8146

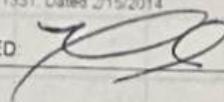
Maintenance Records

Log# 2

Aircraft Registration No. 65GS  
Engine Manufacturer LYCOMING  
Model LT10-540-V2AD  
Serial No. L-2726-68A  
Location of Engine RIGHT

Date	Total Time in Service	Time since Overhaul	Tach. Reading	Description of Work Performed
				 <p>Date: 12/06/12 Hobbs: 685.1 Right Engine</p> <p>At this time drained engine oil. Removed and inspected oil filter, no trouble found. Installed new CH48103-1 oil filter. Serviced engine with 10qts of Castrol A100 oil. Run-up and leak check ok. Ok for return to service.</p> <p>Matthew O. Heal 3469369 A&amp;P/IA <i>Matthew O. Heal</i></p>
				 <p>Date: 1/07/13 Hobbs: 710.5 Right Engine</p> <p>At this time right magneto RPM drop out of limits. Removed magneto found right contacts worn. Installed new contacts P/N 10-382585. Internally timed magneto. Re-installed magneto using new drive cushions P/N 68H22624 an gasket P/N LW 12681. Run-up and operational check ok. Ok for return to service.</p> <p>Matthew O. Heal 3469369 A&amp;P/IA <i>Matthew O. Heal</i></p>
				 <p>Date: 2/07/13 Hobbs: 714.9 Right Engine</p> <p>At this time drained engine oil. Removed and inspected oil filter, no trouble found. Installed new CH48103-1 oil filter. Serviced engine with 11qts of Aeroshell 100W Plus oil. Removed magneto found loose connector, secured same. Adjusted internal timing. Re-installed magneto. Installed 12 new Tempest URHB37E spark plugs. Run-up and leak check ok. Ok for return to service.</p> <p>Matthew O. Heal 3469369 A&amp;P/IA <i>Matthew O. Heal</i></p>
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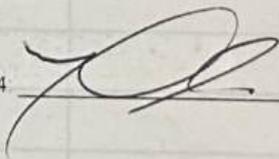


Date	Task	Description of Work Performed
	<b>ENGINE MODEL:</b> LT10-540-V2AD <b>ENGINE S/N (R):</b> L-0728-08A <b>REG NO:</b> 65GS <b>WORK ORDER:</b> 1331  <b>Aerinoa, Inc</b> 480 Airport Road Mattoon, IL 61938 Phone: 217-234-8148	DATE: 2/15/2014 AIG TSN: 3251 ENG IT (R): 2851.6 TSMOH (R): 893.4 HOBBS: 817
	<b>Right Engine Entries</b>	
	(1) Installed New AA441CC-7 Vacuum Pump, Serial Number 04YK12	
	<b>Maintenance Release</b>	
	At this time the following parts and/or component(s) on 65GS were repaired and/or replaced. Aircraft is approved for Return to Service. Additional details of the work are on file under Work Order No. 1331. Dated 2/15/2014.	
DATE: 2/15/2014	SIGNED: 	3021289 AOS. Work Order: 1331
	Printed by EBIS 3 (dalcamedia.com)	

**MAKE:** Piper **MODEL:** PA31P **S/N:** LIV413 **REG NO.** 65GS **DATE:** 3/24/2014  
**ENGINE IT:** 2866.6 **SMOH:** 898.4 **WORK ORDER #** 1340

At this time performed the following:

(1) Run up Engines to operating temperature. Removed cowlings, drained oil and removed filter. Inspected Filter and no trouble found at this time. Installed new CH48103-1 Oil Filter and serviced engine with 12 quarts of 100W plus. Run up and operational check performed. Engine cowling re-installed (Right Engine)

Date signed 3/24/2014:  Dominique J. Youakim 3021289 IA

**Maintenance Release:** I certify that the aircraft listed above has been inspected in accordance with an annual inspection and been determined to be in airworthy condition. Pertinent details of the work performed are under the work order listed above. Central Illinois Air Corporation, 480 Airport Road, Mattoon, IL 61938

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Date	Total Time in Service	Time since Overhaul	Tach. Reading	Description of Work Performed
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DES MOINES  
FLYING SERVICE

INTERNATIONAL AIRPORT  
PO BOX 35126 - DES MOINES, IOWA 50315-0302  
TELEPHONE (515) 256-5300 - FAX (515) 256-5537  
dmfs.com

10/07/2014 N65GS PIPER PA31P-350 SN 31P-8414016  
HOBBS: 861.8 TOTAL: 3295.7

R ENGINE	MAKE LYCOMING	MODEL LTIO-540-V2AD	SERIAL No L-2726-68A	TOTAL 2895.9	SMOH 928.1
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Performed an Annual inspection in accordance with Piper PA31P-350 Maintenance Manual PN 761-781 dated 04/30/1986 Event 1 and 2 inspection check lists Chapters 5-21-07 and 5-21-08

**ENGINE COMPRESSION CHECK**

No 1	No 2	No 3	No 4	No 5	No 6
78	80	72	78	70	78
80	80	80	80	80	80

1. Changed oil with Aeroshell 100 W, changed oil filter, inspected old element for contamination, none found at this time. Oil sample was taken.
2. Complied with AD 2011-26-04 Amendment 39-16894 dated 01/12/2012 per paragraph (h) Inspected the fuel injector fuel lines and clamps between the fuel manifold and the fuel injector nozzles, fuel injector fuel lines and clamps meet all conditions specified in Lycoming Engines MSB No. 342F, dated June 04, 2010.
3. Complied with Bracket Instructions for Continued Airworthiness by installation of a new Bracket induction air filters PN BA3305 left and right engines, next time change 08/2013.
4. Complied with TCM Ignition System Instructions for Continued Airworthiness, Inspected ignition system per TCM SB 634B no discrepancies noted at this time.
5. Torqued rocker cover gaskets. Leak check good at this time.
6. Installed new cylinder kit on number 2 cylinder on right engine P/N 05K21260 cylinder S/N R321121 piston pin P/N LW-14078 M7. Performed an operational check no defects noted. All work accomplished IAW Lycoming MM section 6 and section 10.
7. Repaired R/H engine air box drain box as required.
8. Repaired R/H engine fwd baffle with patch
9. Removed corrosion from intake tubes, coated with corrosion preventative and installed.
10. Removed R/H propeller, replaced A/C compressor belt and installed propeller.
11. Replaced vacuum pump gasket (P/N: 8313), replaced shaft seal (P/N:STD-208) on accessory case housing, & installed new gasket on accessory case housing (P/N:8313)



DES MOINES  
FLYING SERVICE

INTERNATIONAL AIRPORT  
PO BOX 35126 - DES MOINES, IOWA 50315-0302  
TELEPHONE (515) 256-5300 - FAX (515) 256-5537  
dmfs.com

10/07/2014 N65GS PIPER PA31P-350 SN 31P-8414016  
HOBBS: 861.8 TOTAL: 3295.7

12. Replaced prop control cable boot P/N 553-182
13. Replaced R/H engine mounts with new (4) P/N 475-117, 475-116 and 587-307.

I certify that this **Engine** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **19002**.

Date Signed 10/07/2014:

*Jeff Seals*  
Jeff Seals



Des Moines Flying Service, Inc., FAA CRS G9CR485J


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Date	Total Time in Service	Time since Overhaul	Tach. Reading	Description of Work Performed
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**RIGHT ENGINE**

October 27, 2015

N65GS

LTIO-540-V2AD

S/N L-2726-68A

Hobbs 890.5

T.T. 2924.6

T.S. O/H 956.8

Complied with Annual Inspection of engine this date in accordance with Piper Mojave Inspection Report P/N 230-1088 issued December 9, 1994. Changed oil and oil filter. Serviced with W100 Aeroshell. Compression check #1 77/80, #2 76/80, #3 71/80, #4 71/80, #5 73/80, #6 73/80. Installed new rocker cover gasket on #4 cylinder. Resealed oil return line and installed new seal. Installed new prop shaft seal. Installed new LW12681 Mag gasket. Complied with AD 15-19-07 "External Fuel Injection Lines" by inspection, no defects noted. Run, leak and operational check satisfactory. See separate file for AD note listing and compliance.

*I certify that this engine has been inspected in accordance with an Annual inspection and has been approved for return to service.*

*Date October 27, 2015 Work Order 15-5825*

*Michael J. Gish*

Purdue Aviation, LLC.  
1630 Aviation Dr.  
West Lafayette, IN. 47906  
Repair Station #AHRRI00C



**RIGHT ENGINE**

February 18, 2016

N65GS

LTIO-540-V2AD

S/N L-2726-68A

Hobbs 913.6

T.T. 2947.4

T.S. O/H 979.6

Changed oil and oil filter this date. Checked filter for debris, none noted. Serviced with W100 Aeroshell. Engine run and leak check satisfactory.

*The aircraft and/or component identified above was repaired and inspected in accordance with the current FAR's and was found to be airworthy with respect to work performed and was returned to service*

*Date 02-18-2016 Work Order 16-5924*

*Andy Stalls*

Purdue Aviation, LLC.  
1630 Aviation Dr.  
West Lafayette, IN. 47906  
Repair Station #AHRRI00C

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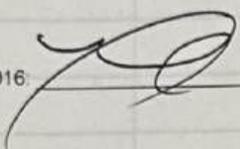
Date	Total Time in Service	Time since Overhaul	Tach. Reading	Description of Work Performed
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**MAKE:** Piper **MODEL:** PA31-350P **S/N:** 31P-8414016 **REG NO.** 65GS **DATE:** 6/6/2016  
**HOBBS:** 934.2 **WORK ORDER #** 1485

At this time performed the following:

1. Removed right engine propeller
2. Removed Crank Seal
3. Installed new crank seal LW-15628 in accordance with Lycoming instructions
4. Installed the following new belts 37A19773M396 and 37B19774-446
5. Installed new O-Ring in Propeller
6. Installed Propeller and Torqued per Hartzell Instructions

Run Up and Operational Check Performed

Date signed: 6/6/2016  Dominique J. Youakim 3021289 A&P/IA

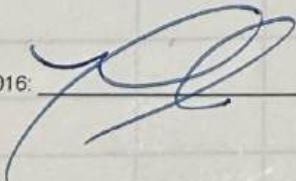
**Maintenance Release** This certifies that the work listed above was carried out in accordance with Federal Aviation Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to service.

**MAKE:** Piper **MODEL:** PA31-350P **S/N:** 31P-8414016 **REG NO.** 65GS **DATE:** 7/18/2016  
**HOBBS:** 951.5 **WORK ORDER #** 1506

At this time performed the following:

1. Drained oil, removed filter and oil screen
2. No Trouble found at this time
3. Installed new AA48103-2 Oil Filter
4. Serviced Engine with 10 quarts of Aeroshell 100 Plus

Run Up and Operational Check Performed

Date signed: 7/18/2016  Dominique J. Youakim 3021289 A&P/IA

**Maintenance Release** This certifies that the work listed above was carried out in accordance with Federal Aviation Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to service.

Date	Total Time in Service	Time since Overhaul	Tach. Reading	Description of Work Performed
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**RIGHT ENGINE**

October 20, 2016  
 N65GS  
 Hobbs 995.3

LTIO-540-V2AD  
 T.T. 3029.4

S/N L-2726-68A  
 T.S. O/H 1061.6

Complied with Annual Inspection of engine this date in accordance with Piper Mojave Inspection Report P/N 230-1088 issued December 9, 1994. Changed oil and oil filter. Check filter for debris, none noted. Obtained oil sample. Serviced with W100 Aeroshell and LW16702 additive. Compression check #1 75/80, #2 78/80, #3 74/80, #4 72/80, #5 70/80, #6 73/80. Complied with AD 15-19-07 "External Fuel Injection Lines" by inspection, no defects noted. Installed new rocker cover gasket on cylinder #3, 4 & 5. Cleaned connections on oil temp probe cannon plug. Installed new cowl fasteners. Run, leak and operational check satisfactory. See separate file for AD note listing and compliance.

*I certify that this engine has been inspected in accordance with an Annual inspection and has been approved for return to service.*

*Date October 20, 2016 Work Order 16-6121*

*[Signature]*  
 Purdue Aviation, LLC.  
 1630 Aviation Dr.  
 West Lafayette, IN. 47906  
 Repair Station #AHRR100C

**MAKE:** Piper **MODEL:** PA31P 350 **S/N:** 31P-8414016 **REG NO.** N65GS **DATE:** 2-8-2017  
**A/C TT:** 3452.3 **Engine T.T** 3051.4 **T.S. O/H** 1083.6 **Hobbs** 1017.3 **Right Engine**  
**WORK ORDER #** 1574

At this time performed the following:

1. Drained Oil, Removed Filter and Oil Screen.
2. Inspected Oil filter and Screen and no trouble found at this time
3. Installed New AA48103-2 Oil Filter
4. Serviced engine with 11 quarts of Aeroshell 100W plus

Run Up and Operational Check Performed

Date signed: 2/8/2017:

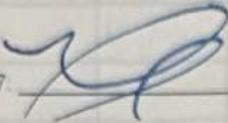
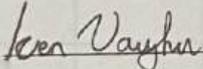
*[Signature]*

Dominique J. Youakim 3021289 A&P/IA

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**Maintenance Release** This certifies that the work performed above was performed in accordance with manufacturer recommendations and applicable FAR's and is approved for return to service.

Date	Total Time	Time since	Tech.	Description of Work Performed
<b>MAKE:</b> Piper <b>MODEL:</b> PA31P 350 <b>S/N:</b> 31P-8414016 <b>REG NO.</b> N65GS <b>DATE:</b> 2-8-2017 <b>A/C TT:</b> 3452.3 <b>Engine T.T</b> 3051.4 <b>T.S. O/H</b> 1083.6 <b>Hobbs</b> 1017.3 <b>Right Engine</b> <b>WORK ORDER #</b> 1574				
At this time performed the following:				
Service Oil / Air Separator in Left & Right Engine Compartments				
Date signed: 2/8/2017  Dominique J. Youakim 3021289 A&P/IA				
<b>Maintenance Release</b> This certifies that the work performed above was performed in accordance with manufacturer recommendations and applicable FAR's and is approved for return to service.				
<b>MAKE:</b> Piper <b>MODEL:</b> PA31P 350 <b>S/N:</b> 31P-8414016 <b>REG NO.</b> N65GS <b>DATE:</b> 5/18/2017 <b>A/C TT:</b> 3492.4 <b>Engine T.T</b> 3091.4 <b>T.S. O/H</b> 1123.6 <b>Hobbs</b> 1057 <b>Right Engine</b> <b>WORK ORDER #</b> 1595				
At this time performed the following:				
<ol style="list-style-type: none"> <li>1. Drained Oil, Removed Filter and Oil Screen</li> <li>2. Inspected Oil filter and Screen and no trouble found at this time</li> <li>3. Installed New AA48103-2 Oil Filter</li> <li>4. Serviced engine with 11 quarts of Aeroshell 100W plus</li> </ol>				
Run Up and Operational Check Performed				
Date signed: 5/18/17:  Iven James Vaughan 3651690 A&P				
<b>Maintenance Release</b> This certifies that the work performed above was performed in accordance with manufacturer recommendations and applicable FAR's and is approved for return to service.				


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TRANSPORT CATEGORY 1. Aircraft Category 2. Aircraft Model 3. Aircraft Registration 4. Aircraft Serial Number		APPROVED ORGANIZATION IDENTIFICATION 5. Organization Name 6. Organization Address 7. Organization Telephone 8. Organization Fax 9. Organization Website		170324-216 N/A	
10. Description of Work Performed 11. Date of Work Performed 12. Signature of Approver 13. Signature of Inspector	14. Part No. 15. Qty. 16. Part Description 17. Part Location	18. Part No. 19. Qty. 20. Part Description 21. Part Location	22. Part No. 23. Qty. 24. Part Description 25. Part Location	26. Part No. 27. Qty. 28. Part Description 29. Part Location	30. Part No. 31. Qty. 32. Part Description 33. Part Location
34. Approved Organization Number 35. Date of Approval 36. Signature of Approver 37. Signature of Inspector					

of Work Performed

DATE 8-8-2017  
Right Engine

**Maintenance Release** This certifies that the work performed above was performed in accordance with manufacturer recommendations and applicable FAR's and is approved for return to service.



**RIGHT ENGINE**

October 31, 2017

N65GS

Hobbs 1127.3

LTIO-540-V2AD

T.T. 3161.4

S/N L-2726-68A

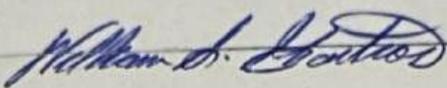
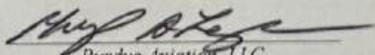
T.S. O/H 1193.6

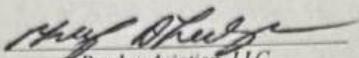
Complied with Annual Inspection of engine this date in accordance with Piper Mojave Inspection Report P/N 230-1088 issued December 9, 1994. Changed oil and oil filter. Check filter for debris, none noted. Obtained oil sample. Serviced with W100 Aeroshell and LW16702 additive. Compression check #1 78/80, #2 76/80, #3 70/80, #4 72/80, #5 72/80, #6 70/80. Complied with AD 15-19-07 "External Fuel Injection Lines" by inspection, no defects noted. Installed overhauled magneto P/N 10-682910-18, S/N. F-08441. Installed new cooling scat duct. Cleaned air/oil separator. Dressed nicks in turbo compressor blades. Run, leak and operational check satisfactory. See separate file for AD note listing and compliance.

*I certify that this engine has been inspected in accordance with an Annual inspection and has been approved for return to service.*

Date October 31, 2017 Work Order 17-6439

*Philip Atz*  
 Purdue Aviation, LLC  
 1630 Aviation Dr.  
 West Lafayette, IN. 47906  
 Repair Station #AHRR100C

Date	Total Time in Service			
		A/C Model: PA31P-350 A/C S/N: 31P-8414016 RIGHT ENG Model: LTIO-540-V2AD RIGHT ENG S/N: L-2726-68A RIGHT ENG TSMOH: 1230.3  Right Engine Oil Change:  Drained oil and cut open filter for inspection. No contaminants found at this time. Installed new Oil Filter P/N CH48031-1 and serviced engine with 12 quarts of Aeroshell 100W oil. Serviced engine with LW16702 additive. Ran up aircraft and inspected for leaks. No leaks detected. Operational check nominal.	<b>GAITROS AVIATION LLC</b> 790 SOUTH AIRPORT ROAD DECATUR, IL. 62521 217.423.9903 WWW.GAITROSAVIATION.COM	02/09/2018 REG #: N65GS WO #: HOBBS: 1164.0 AFTT: 3599.0
		William S. Gaitros A&P 3051725 		
		A/C Model: PA31P-350 A/C S/N: 31P-8414016 RIGHT ENG Model: LTIO-540-V2AD RIGHT ENG S/N: L-2726-68A RIGHT ENG TSMOH: 1230.3  Right Engine Starter:  Removed defective starter P/N MHB-4014, S/N A020214. Installed new starter P/N ELB-8011 S/N H-Q100140 from Hartzell Engine Technologies, FAA C.R.S. PQ1393CE-D. See FAA Form 8130-3 Form Tracking Number H-Q100140 dated 11 Oct. 2016 for more information. Revised weight and Balance sheet. Operational check of starter nominal at this date and time.	<b>GAITROS AVIATION LLC</b> 790 SOUTH AIRPORT ROAD DECATUR, IL. 62521 217.423.9903 WWW.GAITROSAVIATION.COM	05/10/2018 REG #: N65GS WO #: HOBBS: 1164.0 AFTT: 3599.0
		William S. Gaitros A&P 3051725 		
		<div style="text-align: center;">  </div> <p><b>RIGHT ENGINE</b>                      June 11, 2018                      N65GS      LTIO-540-V2AD      S/N L-2726-68A                      Hobbs 1209.2      T.T. 3243.0      T.S. O/H 1275.2</p> <p>Installed new spark plugs P/N RHB32E. Engine run and leak check satisfactory.  <i>The engine identified above was repaired and inspected in accordance with current approved data and was found to be airworthy with respect to work performed and approved for return to service.</i>                      Date <u>06-11-2018</u> Work Order <u>18-6676</u></p> <div style="text-align: center;">                       Purdue Aviation, LLC.                      1630 Aviation Dr.                      West Lafayette, IN. 47906                      Repair Station #AHRR100C                 </div>		
		Totals – Carry Forward to next page		

Date	Total Time in Service	Time since Overhaul	Tach. Reading	Description of Work Performed
				
				<p><b>RIGHT ENGINE</b>                      July 13, 2018                      N65GS                      LTIO-540-V2AD                      S/N L-2726-68A                      Hobbs 1215.5              T.T. 3249.6                          T.S. O/H 1281.8</p> <p>Changed oil and oil filter this date. Checked filter for debris, none noted. Serviced with Aeroshell W100 plus. Installed new oil drain valve P/N CCB-37000. Engine run and leak check satisfactory.</p> <p><i>The engine identified above was repaired and inspected in accordance with the current approved data and was found to be airworthy with respect to work performed and was returned to service</i></p> <p>Date <u>07-13-2018</u> Work Order <u>18-6676</u></p> <p>                      Purdue Aviation, LLC.                      1630 Aviation Dr.                      West Lafayette, IN. 47906                      Repair Station #AHRR100C</p>



**RIGHT ENGINE**  
 October 19, 2018  
 N65GS                                      LTIO-540-V2AD                                      S/N L-2726-68A  
 Hobbs 1244.7                              T.T. 3278.8    T.S. O/H 1311.0

Complied with Annual Inspection of engine this date in accordance with Piper Mojave Inspection Report P/N 230-1088 issued December 9, 1994. Changed oil and oil filter. Check filter for debris, none noted. Obtained oil sample. Serviced with W100 Aeroshell and LW16702 additive. Compression check #1 76/80, #2 76/80, #3 72/80, #4 72/80, #5 70/80, #6 72/80. Complied with AD 15-19-07 "External Fuel Injection Lines" by inspection, no defects noted. Installed new bottom #2 spark plug P/N RHB32E. Tightened oil cooler lower clamps. Run, leak and operational check satisfactory.

*I certify that this engine has been inspected in accordance with an Annual inspection and has been approved for return to service.*

Date October 19, 2018 Work Order 18-6793

  
 Purdue Aviation, LLC.  
 1630 Aviation Dr.  
 West Lafayette, IN. 47906  
 Repair Station #AHRR100C





Date: 7/16/2021; Aircraft: N65GS; Type: PA-31P-350; S/N: 31P-8414016; Hobbs: 1360.90; Tach.; Total Time: 3795.20; Work performed on Engine # 2; Engine 2, Type: LYCOMING TIO-510-V2AD, S/N: L-2726-68A, Time: 3395.00, Last MOH: 1427.20-7 /

Shop Order #: SH-21-0168

Discrepancy: 400

ANNUAL INSPECTION DUE ON RIGHT ENGINE

Corrective Action: 400

COMPLIED WITH ANNUAL INSPECTION ON RIGHT ENGINE. NEXT DUE IN 12 MONTHS. SEE THIS WORK ORDER FOR DEFECTS.

Discrepancy: 401

CHANGE ENGINE OIL AND OIL FILTER. INSPECT OIL FILTER CARTRIDGE.

Corrective Action: 401

CHANGED ENGINE OIL AND OIL FILTER, INSPECTED OIL FILTER CARTRIDGE, NO DEFECTS NOTED. INSTALLED NEW ENGINE OIL FILTER PART NUMBER AA48103-2 AND SERVICED ENGINE WITH 12 QUARTS AEROSHELL 100W OIL. NO LEAKS NOTED FOLLOWING ENGINE RUN.

Discrepancy: 402

TAKE ENGINE OIL SAMPLE.

Corrective Action: 402

TOOK ENGINE OIL SAMPLE AND SENT FOR ANALYSIS

Discrepancy: 403

PERFORM COMPRESSION CHECK.

Corrective Action: 403

COMPRESSION CHECKED: 1- 70/80, 2- 70/80, 3- 72/80, 4- 69/80, 5- 70/80, 6- 70/80.

Discrepancy: 404

AD 15-19-07 FUELING LINE

Corrective Action: 404

COMPLIED WITH AD15-19-07 BY VISUAL AND PRESSURE CHECK OF FUEL LINE PER AD. NO DEFECTS NOTED AT THIS TIME. NEXT DUE IN 100 HOURS OR 12 MONTHS

Discrepancy: 405

INDUCTION AIR FILTERS DUE CHANGE

Corrective Action: 405

REMOVED AND REPLACED LEFT HAND AND RIGHT HAND INDUCTION AIR FILTERS WITH NEW FILTER PART NUMBER BA3305 IN ACCORDANCE BRACKETT AIR FILTER DOCUMENT I-194. NEXT DUE IN 100 HOURS OR 12 MONTHS

Discrepancy: 406

PIPER SB644E EXHAUST V BAND CLAMPS INSPECTION AND REPLACEMENT

Corrective Action: 406

INSTALLED NEW TURBO AND WASTE GATE TURBO PIPE V BAND CLAMP WITH NEW PART NUMBER 557-369 AND LW12125-3 AND GASKET 75845 IN ACCORDANCE WITH PIPER SB644E. NEXT DUE INSPECTION IN 100 HOURS, DUE CHANGE ON CONDITION.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was

inspected and repaired in accordance with current regulations of the Federal Aviation Administration and John M Locke inspection. I certify that this aircraft was found airworthy and

is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: John M Locke DATE: 7-16-2021

Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725

RT ENG

JT AVIATION MX, INC

WO 5464

147 TOWER AVENUE GROTON NEW LONDON AIRPORT GROTON, CT 06340

FAA Approved Repair Station # L4AR428X

Phone: 860-326-5658

Registration #	ENG. Make / Model	Serial #	AFTT	HOBB
N65GS	LYC LTIO540V2AD	L-2726-68A	---	1361.0

1. PERFORMED AN OIL AND FILTER CHANGE (WITH SAMPLE) INSTALL A NEW CH48103-1 FILTER AND SAFETIED, ADDED 11 QTS AERO 80PLUS OIL TO SUMP.
2. GROUND RAN AND LEAK CHECKED SATISFACTORY.

THE IDENTIFIED ENGINE 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 AT THIS REPAIR STATION UNDER WORK ORDER NO. 5464, DATED

SIGNED JOHN M LOCKE

Date	Total Time in Service	Time since Overhaul	Tech. Reading

Airframe				Powerplant		Propeller	
Date	8.31.2022	N#	65GS	Make	Lycoming	Make	Hartzell
Hobbs	1369.4	Make	Piper	Left Model	S/N T10-540-V2AD L-8563-61A	Model	S/N HCI3YR-2UF FS193A
Offset	2434.3	Model	PA-31P-350 Mojave	ETSMOH TBO EXP 2016	1313.4	PSOH TBO EXP in 2005	1537
AFTT	3803.7	S/N	31P-8414016	Right Model	S/N LT10-540-V2AD L-2726-68A	Model	S/N HCI3YR-2LUF FS192A
				ETSMOH TBO EXP 2016	1435	PSOH TBO EXP in 2005	1537

### Repairs

Right engine oil sump screen is damaged, straightened oil screen  
 Changed oil in Left engine. Used 12 quarts of W100 oil and CH 48103-1 filter. Cut open old filters and no defects noted  
 Changed oil in Right engine. Used 12 quarts of W100 oil and CH 48103-1 filter. Cut open old filters and no defects noted  
 Left engine mount needs pain touch up  
 Right engine mount needs pain touch up  
 Left and Right oil drain plugs are leaking. Changed oil drain plugs. Added 07-00879 Oil drains  
 Left engine has oil leaks on right bank of cylinders. Cleaned and ren engines no defects found

### Airworthines Directives

**Complied with A.D.** 15-19-07 Fuel Inj lines Effective Date 11/3/2015. Inspected both engines fuel lines by Lycoming MSB #342G. No defects noted. **Next due whenever the top of the engine is touched or 100hrs**

### Servicing

Serviced Spark Plugs in Left engine Used new gaskets M673 and Champion 2612 thread lube  
 Serviced Spark Plugs in Right engine Used new gaskets M673 and Champion 2612 thread lube

### F.A.R. Compliance

**Complied with Compression Check** with Left Engine # 1 71/80 #2 68/80 #3 64/80 #4 76/80 #5 65/80 #6 75/80. Right Engine #1 72/80 #2 78/80 #3 73/80 #4 74/80 #5 64/80 #6 74/80 All compression is good.

I certify that this aircraft has been inspected in accordance with an Annual inspection and a list of discrepancies and unairworthy items dated 6.15.2022 has been provided for the aircraft owner or operator.

*T. Nunes AP 2A 304176*



