

# **AIRMARK OVERHAUL, INC.**

6001 N.W. 29th Avenue

Fort Lauderdale, Florida 33309

FAA Certified Repair Station #JL4R288M

## **Maintenance Release**


Engine Model LTSIO-360-RB Serial No. 321729

Total Accumulated Time 1841.1 Time Since Overhaul 0.0

Date Overhauled JULY 21, 2016 Work Order No. 45379

Signed 

The above Listed Engine has been inspected, overhauled and Test Run in accordance with manufacturers specifications and current Federal Aviation Regulations, and was found airworthy for return to service. All applicable factory service and airworthiness directives complied with this date. See listing in back of book.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number:  45379	
4. Organization Name and Address: AIRMARK OVERHAUL, INC. * 6001 N.W. 29 <sup>TH</sup> AVENUE * FT. LAUDERDALE, FL 33309 (JL4R288M)					5. Work Order/Contract/Invoice Number: WO# 45379	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
001	CONT. ENGINE	LTSIO-360-RB	1/EA	321729	OVERHAUL	
12. Remarks:  THIS ENGINE WAS OVERHAULED, TESTED & CERTIFIED IN ACCORDANCE WITH T.C.M. OVERHAUL MANUAL X30596S1, DATED OCTOBER 2013 AND MAINTENANCE MANUAL M-O, DATED MAY 2016. SEE FULL DETAILS OF WORK & A.D.'s ACCOMPLISHED PER WORK ORDER NO. 45379.  *Airmark Overhaul, Inc. certifies that the work specified in block 11/12 was carried out in accordance with EASA Part 145 and with respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number: EASA 145.4115 and FAA Air Agency Certificate Number JL4R288M"						
13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 		14c. Approval/Certificate No.: JL4R288M
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): WILLIAM POLLARD		14e. Date (dd/mm/yyyy): 21/JUL/2016
<b>User/Installer Responsibilities</b>						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>						



# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 1841.1

SN# 321729

Hrm: 1841.1

Date 8/15/2016

TT: 1841.1


TSO: 0.0

I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D Work accomplished as follows

1. Reinstalled this engine after overhaul by Airmark WO# 45378
2. Installed new engine hoses
3. Installed new engine mounts
4. Reinstalled overhauled turbo and overhauled wastegate
5. Reinstalled overhauled alternator
6. Installed Gami injectors in accordance with STC SE09963SC kit SN# 25339
7. Reinstalled same vac pump

Ground run leak check satisfactory

This Engine is approved for return to service in regards to Work performed.

  
Bradley D Gray A&P 3135226

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT:

SN#

Hrm: 1864.9

Date 10/19/2016

TSO: 23.8

1. Changed oil and filter cut open old filter and inspected. Serviced with Aeroshell W100 plus and a new filter AA48108-2. Ground run leak Satisfactory.

This aircraft is approved for return to service in regards to Work performed.

  
Bradley D Gray A&P 3135226

STS, REPA

, RATING

K PAGES F

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 1891.5

SN# 321729

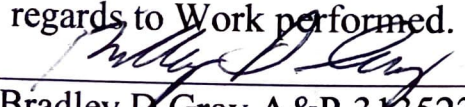
Hrm: 1891.5

Date 12/2/2016

TSO: 50.4

1. Changed oil and filter cut open old filter and inspected. Serviced with Aeroshell W100 plus and a new filter AA48108-2. Took oil sample Ground run leak check Satisfactory.

This aircraft is approved for return to service in regards to Work performed.

  
Bradley D Gray A&P 3135226

# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN#

ACTT:

HRM: 1926.7

Date 3/14/2017

RH

1. Changed oil and filter serviced with Aeroshell W100 plus and a new filter AA48108-2. Cut open old filter and inspected.
2. Removed Turbo and replaced with an overhauled turbo PN# 649151-2  
SN# H-PDL00090
3. Ground run leak check satisfactory

This aircraft is approved for return to service in  
regards to Work performed.

  
Bradley D Gray A&P 3135226

DESCRIPTION OF INSPECTIONS, TEST

ME,  
ACK

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 321729

Date 5/3/2017

ACTT: 1943.1

HRM: 1943.1

TSO: 102.0

I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D

Work accomplished as follows

1. Accomplished a compression test #1 79/80, 79/80, 76/80, 79/80, 79/80, 79/80
2. Cleaned gapped and rotated the spark plugs
3. Changed oil and filter. Serviced with Aeroshell W100 plus
4. Check mag timing
5. Replaced air filter BA3
6. Removed #2 valve cover and installed a new gasket

This Engine is approved for return to service in regards to Work performed.

  
Bradley D Gray A&P 3135226

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 3449093

Date 11/120/2017

ACTT: 1973.1

Hrm: 1973.1

TSO: 108.2

1. Changed oil and filter cut open old filter and inspected. Serviced with Aeroshell W100 plus and a new filter AA48108-2. Ground run leak Satisfactory.

This aircraft is approved for return to service in regards to Work performed.

  
Bradley D Gray A&P 3135226



# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 2018.1

SN# 3449093


Hrm: 2018.1

Date 5/2/2018

TSO: 153.2

1. Changed oil and filter cut open old filter and inspected. Serviced with Aeroshell W100 plus and a new filter AA48108-2. Ground run leak Satisfactory.

This aircraft is approved for return to service in regards to Work performed.

  
Bradley D Gray A&P 3135226

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT:2030.5

SN# 321729

HRM:2030.5

Date 7-20-2018

SMOH:165.6

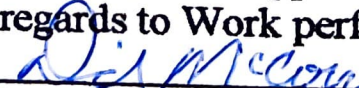
RH Engine

TTE: 2030.5

- 1.Cleaned gapped & rotated plugs
- 2.Compression Cks #1 75 #2 73 #3 74 #4 73 #5 69 #6 69 over 80 PSI
- 3.Checked Magneto timing
- 4.All routine maintenance C/W

I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D and was determined to be in an airworthy condition

This Engine is approved for return to service in regards to Work performed.

  
David McCoy AP 3615278





# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 2116.7

SN# 3449093

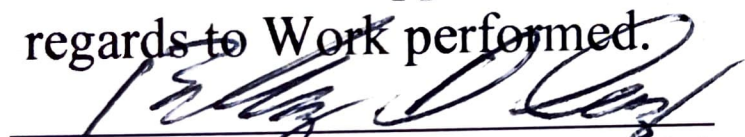
Hrm: 2116.7

Date 6/19/20

TSO: 251.8

1. Changed oil and filter cut open old filter and inspected. Serviced with Aeroshell W100 plus and a new filter AA48108-2. Ground run leak Satisfactory.

This aircraft is approved for return to service in  
regards to Work performed.



---

Bradley D Gray A&P 3135226

# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 2163.1

SN# 321729

HRM: 2163.1

Date 9/18/2020

RH

TSO: 322.0

I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D

Work accomplished as follows

1. Accomplished a compression test #1 60/80, 60/80, 61/80, 65/80, 62/80, 65/80
2. Cleaned gapped and rotated the spark plugs
3. Changed oil and filter. Serviced with Aeroshell W100 plus and a new filter PN# AA48108-2
4. Check mag timing
5. Replaced air filter BA-3

This Engine is approved for return to service in regards to Work performed.

  
Bradley D Gray A&P 3135226

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 321729

Date 9-9-2021

RH

ACTT: 2171.8

EDM Tach 6.2

TSO: 330.7

1.Changed oil & filter serviced with 8 Qts AS W100+. New filter AA48108-2

2.Cleaned gapped & rotated plugs

3.Cleaned fuel screen

4.Checked mag timing

5.Comp Cks #1 62 #2 75 #3 70 #4 72 #5 63 #6 69 over 80PSI

6.All routine maintenance C/W

7.Groind ran engine Ops Ck good no leaks noted.

I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D and was determined to be in an airworthy condition.

  
David McCoy A&P 3615278

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 3449093

Date 1/12/2022

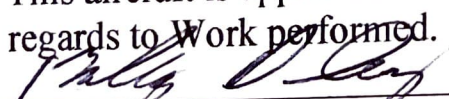
ACTT: 2192.2

Hrm: 2192.2

RH tach: 24.8

1. Changed oil and filter cut open old filter and inspected. Serviced with Aeroshell W100 plus and a new filter AA48108-2. Ground run leak Satisfactory.

This aircraft is approved for return to service in regards to Work performed.

  
Bradley D Gray A&P 3135226



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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
------	---------------------------	-------------------	-----------------------------	---

ENGINE MODEL:  
LTS10-360-RB  
ENGINE S/N (R): 321729  
REG NO: N574JD  
WORK ORDER: 12841



### Turbine Aircraft Services, LLC.

Repair Station No. TBWR469X  
7101 Millionaire Drive, Hangar 21  
Bethany, Oklahoma 73008  
Phone: 405-491-8995

DATE: 06 July, 2022  
A/C TSN: 2197.7  
ENG TT (R): 2197.7  
TSMOH (R): 356.6  
HOBBS: 2197.7

### Right Engine Entries

- (6) Completed a 100 hour engine inspection in accordance with the PA-34-220T series maintenance manual 100 hour checklist P/N 761-888 Dated September 30, 2018 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.
- (12) Changed engine oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N AA48108-2 and serviced engine with 8 quarts Aeroshell 100 Plus oil. Engine ground run normal, No leaks noted. Oil sample taken for analysis.
- Results Normal
- (19) Compression tested as follows: 1. 67/80. 2. 75/80. 3. 63/80. 4. 72/80. 5. 64/80. 6. 65/80. Master orifice 40 psi.
- (20) Checked right engine magneto to engine timing.
- (21) Installed new right engine induction air filter, P/N BA104.
- (22) Right engine, cleaned, gaped and tested spark plugs. Reinstalled with new gaskets, P/N M674.
- (23) Cleaned right engine fuel screens.
- (24) Cleaned right engine fuel nozzles, reinstalled with new Orings P/N 630979-9, seals P/N 640612. No leaks noted.
- (96) Cleaned and serviced engine. Performed engine ground run, no fuel or oil leaks noted.

The aircraft and/or component(s) on N574JD was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. "Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 12841 Dated 06 July, 2022




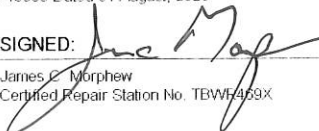
DATE: 06 July, 2022


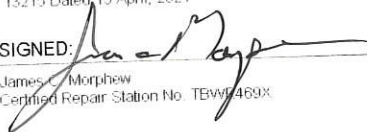
SIGNED:

James C. Morphey  
Certified Repair Station No. TBWR469X

Work Order: 12841

Printed by EBis 3 (datcomedia.com)

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
20					20				
<div>ENGINE MODEL LTSIO-360-RB (1) ENGINE S/N (R) 321729 REG NO N574JD WORK ORDER 12967</div> <div> <b>Turbine Aircraft Services, LLC.</b> Repair Station No. TBWR469X 7101 Millionaire Drive, Hangar 21 Bethany, Oklahoma 73008 Phone 405-491-8995</div> <div>DATE: 21 December, 2022 A/C TSN 2239.1 ENG TT (R) 2239.1 TSMOH (R) 398 HOBBS 2239.1</div> <div><b>Right Engine Entries</b> (8) Changed engine oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N AA48108-2 and serviced engine with 8 quarts Aeroshell 100W Plus oil. Engine ground run normal, No leaks noted. Oil sample taken for analysis. The aircraft and/or component(s) on N574JD was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. "Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 12967 Dated 21 December, 2022"</div> <div>DATE: 21 December, 2022 SIGNED:  James C. Morphew Certified Repair Station No. TBWR469X Work Order: 12967 Printed by EBis 3 (datcomedia.com)</div>					<div>ENGINE MODEL LTSIO-360-RB (1) ENGINE S/N (R) 321729 REG NO N574JD WORK ORDER 13085</div> <div> <b>Turbine Aircraft Services, LLC.</b> Repair Station No. TBWR469X 7101 Millionaire Drive, Hangar 21 Bethany, Oklahoma 73008 Phone 405-491-8995</div> <div>DATE: 04 August, 2023 A/C TSN 2260.3 ENG TT (R) 2260.3 TSMOH (R) 419.2 HOBBS 2260.3</div> <div><b>Right Engine Entries</b> (5) Completed a 100 hour engine inspection in accordance with the PA-34-220T series maintenance manual 100 hour checklist P/N 761-888 Dated September 30, 2018 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft. (11) Changed engine oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N AA48108-2 and serviced engine with 8 quarts Aeroshell 100 Plus oil. Engine ground run normal, No leaks noted. Oil sample taken for analysis. (17) Compression tested as follows: 1. 70/80. 2. 71/80. 3. 70/80. 4. 71/80. 5. 69/80. 6. 71/80. Master orifice 40 psi. (18) Checked right engine magneto to engine timing. (19) Inspected and cleaned right engine induction air filter. (20) Cleaned, gapped and tested spark plugs. Reinstalled with new gaskets, P/N M674. (21) Cleaned right engine fuel screens. (27) A.D. 2023-05-16. Effective date 15/MAR/2023. Inspection of the right engine crankshaft assembly for proper installation of the counterweight retaining rings in the counterweight groove. Found this AD not applicable by engine serial number. (41) Cleaned and serviced engine. Performed engine ground run, no fuel or oil leaks noted. The aircraft and/or component(s) on N574JD was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. "Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 13085 Dated 04 August, 2023"</div> <div>DATE: 04 August, 2023 SIGNED:  James C. Morphew Certified Repair Station No. TBWR469X Work Order: 13085 Printed by EBis 3 (datcomedia.com)</div>				
1 of 1					1 of 1				

DATE 20__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
ENGINE MODEL: LTSIO-360-FB (1) ENGINE S/N (R): 321729 REG. NO. N574JD WORK ORDER: 13215				<b>Turbine Aircraft Services, LLC.</b>  Repair Station No. TBWR469X 7101 Millionaire Drive, Hangar 21 Bethany, Oklahoma 73008 Phone: 405-491-8995
DATE: 15 April, 2024 A/C TSN: 2316-1 ENG. TT (R): 2316-1 TSMOH (R): 475 HOBBS: 2316-1				
<b>Right Engine Entries</b> (4) Changed engine oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48108-1 and serviced engine with 8 quarts Aeroshell 100 Plus oil. Engine ground run normal, No leaks noted. Oil sample taken for analysis. <b>Results Normal</b>				
The aircraft and/or component(s) on N574JD was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. Pertinent details of the inspection/repair are on file at this Repair Station. No. TBWR469X under Work Order No. 13215 Dated: 15 April, 2024				
DATE: 15 April, 2024		SIGNED:  James C. Morpheu Certified Repair Station No. TBWR469X		Work Order: 13215 Printed by EBis 3 (datcomedia.com)