

# **AIRMARK OVERHAUL, INC.**

6001 N.W. 29th Avenue

Fort Lauderdale, Florida 33309

FAA Certified Repair Station #JL4R288M

## **Maintenance Release**

Engine Model TSIO-360-RB Serial No. 321473

Total Accumulated Time 1841.1 Time Since Overhaul 0.0

Date Overhauled JULY 22, 2016 Work Order No. 45378

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: <b>FAA/United States</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: <b>45378</b>
4. Organization Name and Address: <b>AIRMARK OVERHAUL, INC. * 6001 N.W. 29<sup>TH</sup> AVENUE * FT. LAUDERDALE, FL 33309 (JL4R288M)</b>					5. Work Order/Contract/Invoice Number: <b>WO# 45378</b>
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
<b>001</b>	<b>CONT. ENGINE</b>	<b>TSIO-360-RB</b>	<b>1/EA</b>	<b>321473</b>	<b>OVERHAUL</b>
12. Remarks:  <p style="text-align: center;"><b>THIS ENGINE WAS OVERHAULED, TESTED &amp; CERTIFIED IN ACCORDANCE WITH CONTINENTAL OVERHAUL MANUAL X30596S1, DATED OCTOBER 2013 AND MAINTENANCE MANUAL M-O, DATED MAY 2016. SEE FULL DETAILS OF WORK &amp; A.D.'s ACCOMPLISHED PER WORK ORDER NO. 45378.</b></p> <p style="font-size: small;">"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"</p>					
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.: <b>JL4R288M</b>
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): <b>WILLIAM POLLARD</b>	14e. Date (dd/mm/yyyy): <b>22/JUL/2016</b>
<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>					

NSN: 0052-00-012-9005

DATE

RECORDING  
TACHTODAY'S  
FLIGHTTOTAL  
TIME INDESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS  
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER  
GES FOR OTHER SPECIFICATIONS**B&G Aviation LLC**

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 1841.1

SN# 321473

Hrm: 1841.1

Date 8/15/2016

TT: 1841.1

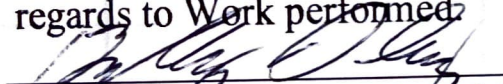
TSO: 0.0

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# 25338
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



ATE

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT:

SN#

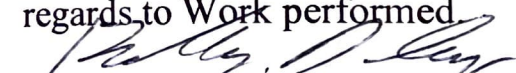
Hrm: 1864.9

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

## TS, REPAIRS AND ALTERATIONS

RATING AND CERTIFICATE NUMBER OF  
PAGES FOR OTHER SPECIFIC ENTRIES.)

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 1891.5

SN# 321473


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

ACTT:

SN#

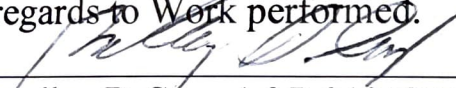
HRM: 1926.7

Date 3/14/2017

LH

1. Changed oil and filter serviced with Aeroshell W100 plus and a new filter AA48108-2. Cut open old filter and inspected. 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

ACTT: 1943.1

SN# 321473

HRM: 1943.1

Date 5/3/2017

LH


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, 75/80, 75/80, 70/80, 77/80, 70/80
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 prop gov sent out for bench test and reinstalled

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

  
Bradley D Gray A&P 3135226

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.)

## 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

SN# 3449093

Date 5/2/2018

ACTT: 2018.1

Hrm: 2018.1

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

SN# 321473

Date 7-20-2018

LH Engine

- 1.Cleaned gapped & rotated plugs
- 2.Compression Cks #1 66 #2 71 #3 71 #4 64 #5 75 #6 61 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

ACTT:2030.5

HRM:2030.5

SMOH:165.6

TTE: 2030.5

**PECTIONS, TESTS, REPAIRS AND ALTERATIONS**  
D WITH NAME, RATING AND CERTIFICATE NUMBER OF  
LITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

DATE

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## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 3449093

Date 11/30/2018

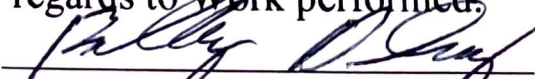
ACTT: 2065.3

Hrm: 2065.3

TSO: 200.4

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

LH

SN#321473

Date 7-25-2019

1.Changed oil & filter serviced with 8 Qts A/S W100+ new filter AA48108-2

2.Cleaned gapped & rotated plugs

3.Copmression Cks #1 68 #2 68 #3 69 #4 54 #5 73 #6 50 over 80 PSI

4.Checked mag timing

5.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

TTE:2086.7

SMOH:221.8

H.M.:2086.7

## 5, REPAIRS AND ALTERATIONS

ATING AND CERTIFICATE NUMBER OF  
AGES FOR OTHER SPECIFIC ENTRIES.)

## 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.

2. Replaced LH vacuum pump with an overhauled pump. PN# 441CC-7 SN#189689

3. Ground run leak check satisfactory

This aircraft is approved for return to service in

regards to Work performed.



Bradley D. Gray A&P 3136226



# B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 2163.1

SN# 321473

HRM: 2163.1

Date 9/18/20

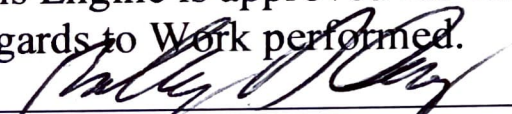
LH

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 66/80, 65/80, 65/80, 62/80, 62/80, 60/80
2. Cleaned gapped and rotated the spark plugs. Replaced 1 spark plug PN# URHM38E
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# 321473

Date 9-9-2021

LH

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.Installed 1 new spark plug P/N URHM38E

6.Comp Cks #1 67 #2 67 #3 71 #4 61 #5 72 #6 60 over 80PSI

7.All routine maintenance C/W

8.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

## ESTS, REPAIRS AND ALTERATIONS

E, RATING AND CERTIFICATE NUMBER OF  
CK PAGES FOR OTHER SPECIFIC ENTRIES.)

## B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 3449093

Date 1/12/2022

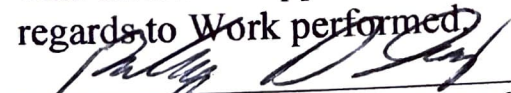
ACTT: 2192.2

Hrm: 2192.2

LH 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
20				ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

ENGINE MODEL:  
TSIO-360-RB  
ENGINE S/N (L): 321473  
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 (L): 2197 7  
TSMOH (L): 356 6  
HOBBS: 2197 7

**Left Engine Entries**

- (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.
- Results Normal
- (13) Compression tested as follows: 1. 75/80. 2. 65/80. 3. 62/80. 4. 65/80. 5. 72/80. 6. 58/80. Master orifice 40 psi.
- (14) Checked left engine magneto to engine timing.
- (15) Installed new left engine induction air filter, P/N BA104.
- (16) Left engine, cleaned, gaped and tested spark plugs. Reinstalled with new gaskets, P/N M674.
- (17) Cleaned left engine fuel screens.
- (18) Cleaned left engine fuel nozzles, reinstalled with new Orings P/N 630979-9, seals P/N 640612. No leaks noted.
- (95) 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

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DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
20				ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

ENGINE MODEL:  
TSIO-360-RB (11)  
ENGINE S/N (L): 321473  
REG. NO: N574JD  
WORK ORDER: 12967



**Turbine Aircraft Services, LLC.**

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

DATE: 21 December, 2022  
A/C TSN: 2239 1  
ENG TT (L): 2239 1  
TSMOH (L): 398  
HOBBS: 2239 1

**Left Engine Entries**

- (4) Installed all new engine loaded cylinder and valve assemblies. P/N 658821A2. Cylinder S/N's No.1 AC221B601, No.2 AC221B606. No.3 AC221B609. No.4 AC221B644. No.5 AC221B653, No.6 AC221B668. Service engine with Aeroshell 100M oil and completed satisfactory grounds runs. No leaks were noted.
- (5) 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 100M 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

DATE: 21 December, 2022



SIGNED:


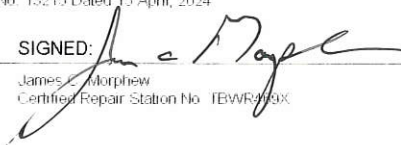
James C. Morphey  
Certified Repair Station No. TBWR469X

Work Order: 12967

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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.)
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<div>ENGINE MODEL TSIO-360-RB (1) ENGINE S/N (L) 321473 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 (L): 2260.3 TSMOH (L): 419.2 HOBBS: 2260.3</div> <div><b>Left Engine Entries</b> (4) 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. (10) 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 (12) Compression tested as follows: 1. 70/80. 2. 70/80. 3. 71/80. 4. 71/80. 5. 71/80. 6. 70/80. Master orifice 40 psi. (13) Checked left engine magneto to engine timing. (14) Inspected and cleaned left engine induction air filter. (15) Cleaned, gapped and tested spark plugs. Reinstalled with new gaskets. P/N M674. (16) Cleaned left engine fuel screens. (26) A.D. 2023-05-16. Effective date 15/MAR/2023. Inspection of the left engine crankshaft assembly for proper installation of the counterweight retaining rings in the counterweight groove. Found this AD not applicable by engine serial number. (40) Cleaned and serviced engine. Performed engine ground run, no fuel or oil leaks noted.</div> <div>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:       Work Order: 13085 James C. Morphey Certified Repair Station No. TBWR469X Printed by EBis 3 (datcomedia.com)</div> <div>1 of 1</div>				

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.)
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<div>ENGINE MODEL TSIO-360-RB (1) ENGINE S/N (L) 321473 REG NO N574JD WORK ORDER: 13215</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: 15 April, 2024 A/C TSN: 2316.1 ENG TT (L): 2316.1 TSMOH (L): 475 HOBBS: 2316.1</div> <div><b>Left Engine Entries</b> (3) 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. Results Normal</div> <div>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</div> <div>DATE: 15 April, 2024      SIGNED:       Work Order: 13215 James C. Morphey Certified Repair Station No. TBWR469X Printed by EBis 3 (datcomedia.com)</div> <div>1 of 1</div>				