

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 02/18/2005

This engine model **I0550N27**, Serial No. **917589** was manufactured on **02/18/2005**
by Teledyne Continental Motors in accordance with approved design data and the applicable requirements
of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all
changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

Thomas A. Howard Jr.

TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

ENGINE MODEL:
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 2363

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 4/8/2005
A/C TSN: 26.5
ENG TT: 64.3
HOBBS: 26.5

Engine Entries

(1) Performed compression test. All values appear normal and all rings are seated. Removed oil and filter and replaced with Bqts. of Aeroshell 100 and installed a new CH48108-1 oil filter. Cut open old oil filter no metal was found.

The aircraft and or component identified above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 4/8/2005

SIGNED:

Richard Gauvin

Certified Repair Station No. T9ZR725Y

Work Order: 2363

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 2458

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 7/5/2005
A/C TSN: 64.5
ENG TT: 64.3
HOBBS: 64.5

Engine Entries

(3) Inspected engine for oil leaks, detected oil leaking from multiple rocker box covers and oil cooler flush plug. Tightened plug and rocker box cover screws.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 7/5/2005

SIGNED:

Work Order: 2458

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 2653

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 1/20/2006
A/C TSN: 110.9
ENG TT: 110.9
HOBBS: 110.9

Engine Entries

Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48108 filter and safety wired. Engine was washed, ran and checked for leaks and OK.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 1/20/2006

SIGNED:

Scott Kenney

Certified Repair Station No. T9ZR725Y

Work Order: 2653

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ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 2723

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 4/7/2006
A/C TSN: 130.3
ENG TT: 130.3
HOBBS: 130.3

Engine Entries

2 I certify that this Engine has been inspected for a 100hr inspection in accordance with the Cirrus SR22 maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48108-1 filter and safety wired. Engine was washed, ran and checked for leaks and OK. A1:71 A2:73 A3:74 A4:74 A5:73 A6:72

14 TCM - C/W SID 97-3C dated 2-28-05 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems. Attached test equipment to engine and adjusted idle mixture, idle speed, and increased high RPM fuel flow to within SID specifications.

15 TCM - C/W SB 95-2 Lubricated engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 4/7/2006

SIGNED:

Scott Kenney

Certified Repair Station No. T9ZR725Y

Work Order: 2723

Printed by EBis 3 (datcomedia.com)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

ENGINE MODEL IO-550N
ENGINE S/N 917589
REG NO 809RJ
WORK ORDER 2871

Troutdale Aircraft Services, Inc.

Repair Station No T9ZR725Y
1250 NW Penimeter Way
Troutdale, OR 97060
Phone 503-666-3838

DATE 7/26/2006
A/C TSN 174
ENG TT 174
HOBBS 174

Engine Entries

- 1 Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48108-1 filter and safety wired. Engine was washed, ran and checked for leaks and OK.

The aircraft and/or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE 7/26/2006

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 2871

Printed by EBis 3 (datamedia.com)

ENGINE MODEL IO-550N
ENGINE S/N 917589
REG NO 809RJ
WORK ORDER 3097

Troutdale Aircraft Services, Inc.

Repair Station No T9ZR725Y
1250 NW Penimeter Way
Troutdale, OR 97060
Phone 503-666-3838

DATE 3/23/2007
A/C TSN 2227
ENG TT 2227
HOBBS 2227

Engine Entries

- 2 I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using Aeroshell 100w. The filter was removed, inspected and OK. Installed new CH48108-1 filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard: ENG A: single A1:72 A2:74 A3:74 A4:66 A5:72 A6:74
- 4 TCM - C/W SID 97-3C dated 2-28-05 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.
- 5 TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.
- 6 TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetoos. Performed functional check of ignition switch and OK.
- 7 TCM - C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders.
- 28 Installed chafe protection to cylinder number 1 & 2 fuel lines to prevent chafing from ignition harness.
- 55 Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48108-1 filter and safety wired. Engine was washed, ran and checked for leaks and OK.

The aircraft and/or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE 3/23/2007

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3097

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ENGINE MODEL IO-550N
ENGINE S/N 917589
REG NO 809RJ
WORK ORDER 3331

Troutdale Aircraft Services, Inc.

Repair Station No T9ZR725Y
1250 NW Penimeter Way
Troutdale, OR 97060
Phone 503-666-3838

DATE 12/12/2007
A/C TSN 2849
ENG TT 2849
HOBBS 3161

Engine Entries

- Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48108-1 filter and safety wired. Engine was washed, ran and checked for leaks and OK.

The aircraft and/or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE 12/12/2007

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3331

Printed by EBis 3 (datamedia.com)

Date

Total Time

Time Since

Engine Service and Maintenance Record

ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 3963

Troutdale Aircraft Services, Inc.
Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 4/17/2009
A/C TSN: 447 9
ENG TT: 416 7
HOBBS: 447 9

Brought

Engine Entries

100 hour - Engine - I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using The filter was removed, inspected and OK. Installed new filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard

TCM - C/W MSB 94-8C Magneto to engine timing Date of revision 4-27-07.

TCM - C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders.

TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetoes.

TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.

TCM - C/W SID 05-7 Positioned tuned fuel injection nozzles. Due each annual or 300 hours.

TCM - C/W SB 96-12 Continued Airworthiness Instructions for TCM Cylinders. Visually inspect cylinders and cylinder heads for cracks and stains.

TCM - C/W SID 97-3E dated 6-17-08 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.

TCM - C/W SID 97-2B Top care compliance information. Required annually to comply with TCM top care cylinder warranty. Cylinder Differential compression check and trend monitoring - Cylinder borescope inspection - Oil consumption trend monitoring - Oil Analysis trend monitoring - Baffle condition inspection - Induction system examination - Cowling Inspection and cowl flap operational check - Ignition system inspection - Fuel system setup - Verification of accuracy of engine gages - Flight test.

TCM - C/W SB 08-13 Induction system hose and clamp installation, to include the intercooler hose connections. Due AT EVERY induction hose installation.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 4/17/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3963

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ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 4064

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 5/12/2009
A/C TSN: 459 7
ENG TT: 428 5
HOBBS: 459 7

Engine Entries

Removed TCM fuel nozzles, installed new set of GAMI fuel nozzles - Kit number TIG550-12E, S/N 18971, under STC SE09963SC. FAA form 337 submitted. Ground run carried out, fuel set-ups carried out IAW TCM-97-3E, and found OK.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 5/12/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4064

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ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 4150

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 7/6/2009
A/C TSN: 490 5
ENG TT: 459 3
HOBBS: 490 5

Engine Entries

Replaced supercharger drive belt with new from Forced Aeromotive Technologies. Adjusted IAW F.A.T. SB Supercharger Belt Tension.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 7/6/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4150

Printed by EBis 3 (datcomedia.com)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

ENGINE MODEL IO-550N
ENGINE S/N 917589
REG NO 809RJ
WORK ORDER 4217

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone 503-666-3838

DATE: 8/14/2009
A/C TSN: 505 7
ENG TT: 474 5
HOBBS: 505 7

Engine Entries

- 3 Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48109-1 filter and safety wired. Engine was washed, ran and checked for leaks and OK.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 8/14/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4217

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ENGINE MODEL IO-550N
ENGINE S/N 917589
REG NO 809RJ
WORK ORDER: 4281

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 9/28/2009
A/C TSN: 533 5
ENG TT: 502 3
HOBBS: 533 5

Engine Entries

- 1 Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48109 filter and safety wired. Engine was washed, ran and checked for leaks and OK.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 9/28/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4281

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG. NO: 809RJ
WORK ORDER: 4440

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 3/5/2010
A/C TSN: 541.9
ENG TT: 510.7
HOBBS: 541.9

Engine Entries

- 2 100 hour - Engine - I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using Aero Shell 100 W50. The filter was removed, inspected and OK. Installed new filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard: 1) 72 2) 68 3) 70 4) 72 5) 73 6) 75
- 4 TCM - C/W MSB 94-8C Magneto to engine timing. Date of revision 4-27-07.
- 5 TCM - C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders.
- 6 TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetos.
- 7 TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.
- 9 TCM - C/W SB 96-12 Continued Airworthiness Instructions for TCM Cylinders. Visually inspect cylinders and cylinder heads for cracks and stains.
- 10 TCM - C/W SID 97-3C dated 2-28-05 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 3/5/2010

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4440

Printed by EBis 3 (datcomedia.com)

Date

Total Time

Time Since
Last Overhaul**Engine Service and Maintenance Record**Installations, Inspections, Airworthiness Directives, Special Inspections,
Modifications and Service Bulletins

Hrs.

Min.

Hrs.

Min.

Brought Forward →

ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 4600**Troutdale Aircraft Services, Inc.**Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838DATE: 7/1/2010
A/C TSN: 584.4
ENG TT: 553.2
HOBBS: 584.4**Engine Entries**

- 1 Changed oil using Aeroshell 100 W and a CH48109 filter. Old Filter was removed, cut, inspected and no defects noted. Installed new filter and safety wired. Engine was washed, ran and checked for leaks and OK.
- 3 TCM 100 Hour - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 7/1/2010

SIGNED:

Eric Svelmoe

Certified Repair Station No. T9ZR725Y

Work Order: 4600

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ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 4679**Troutdale Aircraft Services, Inc.**Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838DATE: 10/11/2010
A/C TSN: 617.6
ENG TT: 586.4
HOBBS: 617.6**Engine Entries**

- 1 Replaced supercharger drive pulley assembly with new. Run up leak and function check OK.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 10/11/2010

SIGNED:

Scott Kenney

Certified Repair Station No. T9ZR725Y

Work Order: 4679

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ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG NO: 809RJ
WORK ORDER: 4694**Troutdale Aircraft Services, Inc.**Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838DATE: 11/1/2010
A/C TSN: 632.6
ENG TT: 601.4
HOBBS: 632.6**Engine Entries**

- 1 C/W FAT MB SR22-9-1-001 by removal of drive belt and inspection of drive shaft for end and radial play. None found.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 11/1/2010

SIGNED:

Scott Kenney

Certified Repair Station No. T9ZR725Y

Work Order: 4694

Printed by EBis 3 (datcomedia.com)

Date

Total Time

Time Since
Last Overhaul

Hrs.

Min.

Hrs

Min

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections,

Brou

ENGINE MODEL IO-550N
ENGINE S/N 917589
REG NO 809RJ
WORK ORDER 4742**Troutdale Aircraft Services, Inc.**Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838DATE 3/9/2011
A/C TSN 643 4
ENG TT 612 2
HOBBS 643 4**Engine Entries**

- 2 I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using Aero Shell 100 W50. The filter was removed, inspected and OK. Installed new filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard: 1) 72 2) 70 3) 70 4) 73 5) 70 6) 70.
- 4 TCM - C/W MSB 94-8C Magneto to engine timing. Date of revision 4-27-07.
- 5 TCM - C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders. Borescope reveals normal wear, no defects.
- 6 TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetos.
- 7 C/W TCM SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.
- 8 TCM - C/W SB 96-12 Continued Airworthiness Instructions for TCM Cylinders. Visually inspect cylinders and cylinder heads for cracks and stains.
- 9 C/W TCM SID 97-3E dated 06-17-08 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.
- 10 C/W TCM SB 08-3 Induction system hose and clamp installation, to include the intercooler hose connections. Due AT EVERY induction hose installation.
- 27 AD 2010-11-04 Hydraulic Lifters N/A by date of manufacture of lifters.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 3/9/2011

SIGNED:


 Scott Kenney
 Certified Repair Station No. T9ZR725Y

Work Order: 4742

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ENGINE MODEL IO-550N
ENGINE S/N 917589
REG NO 809RJ
WORK ORDER 4822**Troutdale Aircraft Services, Inc.**Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838DATE: 9/14/2011
A/C TSN 667 3
ENG TT 636 1
HOBBS 667 3**Engine Entries**

- 1 Changed oil using Aeroshell 100 W and a CH48109 filter. Old Filter was removed, cut, inspected and no defects noted. Installed new filter and safety wired. Engine was washed, ran and checked for leaks and OK.
- 2 TCM 100 Hour - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 9/14/2011

SIGNED:


 Scott Kenney
 Certified Repair Station No. T9ZR725Y

Work Order: 4822

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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

ENGINE MODEL 10-550N
ENGINE S/N 917589
REG NO 809RJ
WORK ORDER 5000

Troutdale Aircraft Services, Inc.
1250 NW Penimeter Way
Troutdale OR 97060
Phone 503-666-3838

DATE 4/13/2012
A/C TSN 6827
ENG TT 6515
TSMOH
HOBBS 6827

Engine Entries

- 2 100 hour - Engine - I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using . The filter was removed, inspected and OK. Installed new filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard.
- 4 TCM - C/W MSB 94-8C Magneto to engine timing. Date of revision 4-27-07.
- 5 TCM - C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders.
- 6 TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetoes.
- 7 TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.
- 8 TCM - C/W SID 05-7 Positioned tuned fuel injection nozzles due each annual or 300 hours.
- 10 TCM - C/W SID 97-3C dated 2-28-05 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.
- 12 TCM - C/W SB 08-3 Induction system hose and clamp installation, to include the intercooler hose connections. Due AT EVERY induction hose installation.

DATE 4/13/2012

SIGNED

Scott Kenney, IA 543760444 IA

Work Order: 5000

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Date: 9/10/2012; Aircraft: N809RJ

Tach: 726.1 - Drained engine oil, removed and cut filter. No debris noted. Collected oil sample. Installed new filter pn CH48109-1 and safety wired. Refilled sump with 8 qts. of Aeroshell w100 oil. Ground ran for leak check, no leaks noted at this time. Tested #5 CHT probe and ok.

William N. Gough
AP541569635

Date: 11/28/2012; Aircraft: N809RJ

Tach: 731.9 - Perform Cirrus Service Bulletin SR22-11-1-001 Rev. IR - 10/10/2012.. SR22 Supercharger Drive Nut Torque. Performed IAW Service Bulletin instructions. Next due by tach: 781.9 (50 hrs.).

William N. Gough
AP541569635

Maintenance Release

AERO MAINTENANCE

The aircraft, airframe, aircraft engine, propeller or appliance identified below 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 repairs under

Work Order # 5444 are herein attached

Dated 8 MARCH 2013

Inspected by Cut Onnell

Cert. # A/P 1862854

SERVICEABLE (A)

Name BENDIX (TCM)

Unit MAGNETO 56RSG-25

Part # 10-500556-1 Ser. # D04LA073

Aircraft _____ ID # _____

Disposition RETURN TO SERVICE

Reason For Removal 500HR INSPECTION

Removed By AERO Date UNK

AD or Service SEE REVERSE SIDE
Bulletins OF TAB FOR LISTING

Work 500HR INSPECTION IAW

Performed CM I FORM #

FAA Certificate No. X42002-3

AIRCRAFT MAGNETO SERVICE

11697 KIRK AVE. NE
BAINBRIDGE ISLAND, WA 98110
(206) 768-3099

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

Date: 4/03/2013; Aircraft: N809RJ

Tach and EngTT: 739.2 - Performed annual inspection IAW Cirrus Maintenance Manual and FAR 43 appendix D. Checked cylinder compressions and boroscoped IAW TCM SB03-3. #1-76, #2-76, #3-70, #4-76, #5-78, #6-74. C/W SB 2X-74-01 - 11/15/2011 - Replace fine wire spark plugs with massive spark plugs IAW Cirrus Service Advisory SA11-08.

C/W by replacing with new pn RHB32E spark plugs. NFAR.. R&R magnetos after 500 hr. inspection by Aircraft Magneto Service, WO# 5443 for s/n D04LA212, WO# 5444 for s/n D04LA073. See attached tags. Checked magneto to engine timing. R&R supercharger, and idler assy., after repair and inspections by Forced Aeromotive Technologies, Invoice# 0199. See attached tag. Replaced induction tube pn S550019. C/W MB SR22-9-1-001rev. IR - 9/1/2010 - Supercharger Drive Inspection. C/W SR22-11-1-001 - 11-10-12, rev. IR - SR22 Supercharger Drive Nut Torque. C/W IAW SB instruction. Next due by tach: 789.2. Replaced air intake filter pn BA24. R&R all injectors after cleaning with new gaskets and seals. Replaced cyl. drain seals pn 633958-2. Resealed plug at front of engine. Tightened and safetied case half bolts on #1 alternator. C/W TCM CSB08-3B - 3/14/2008 by visual inspection. Verified throttle and mixture arms are stainless steel. NFAR. Checked exhaust system and heat muff. Leak tests OK. Checked engine controls for operation and security. Check OK. Test run and flight OK. 4/3/13

William N. Gough
AP541569635 IA

I certify that this aircraft has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Applicable A. D. Notes through 2-25-13 complied with total time (or tach reading) 739.2 signed W N Gough A & P # 541569635 IA

Date: 12/02/2013; Aircraft: N809RJ

Tach: 767.3 - R&R supercharger s/n 2022 after evaluation by Forced Aeromotive Technologies, invoice# 0230. Verified torque settings of the drive nut IAW instructions in Service Bulletin SR22-11-1-001 dated 11/10/12, rev. IR. Test run-up good.

William N. Gough
AP541569635

Note:
2/14 Remove Engine
for Oil See Book #2
Tach 769.7

ENGINE MODEL: TDL Aero Enterprises
ENGINE S/N: 44 MACREADY DRIVE
REG. NO: N809RJ Merced, CA 95340
WORK ORDER: 00001514 Phone: 209-722-7300

DATE: 7/1/2015
A/C TSN: 838.6
ENG TT: 838.6
TSMOH: 59.5
TACH: 838.6

Engine Entries

IAW A Annual inspection REMOVED COWLING, DRAINED OIL, REMOVED AND REPLACED OIL FILTER, FILTER INSPECTED. Compressions are (1) 780/80 (2) 780/80 (3) 778/80 (4) 780/80 (5) 780/80 (6) 770/80; SERVICED WITH AEROMOTIVE SUPERCHARGER. Engine RUN-UP LEAK CHECK COMPLETED, REINSTALLED COWLING. No leaks noted at this time. Replaced SID 97-3E. Fuel system set up, adjusted fuel pressure per Cirrus Service Bulletin dated 11/10/12, rev. IR. Removed SIX (6) Continental factory fuel nozzles. Replaced with new SIX (6) GAMI fuel injectors Under STC #SE09963SC dated SEP-12-2001, Test flight needed to complete install... 337 form submitted for GAMI injector install

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

DATE: 7/1/2015

SIGNED: W N Gough

Work Order: 00001514

Tom Lopes, IA: 572492099

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