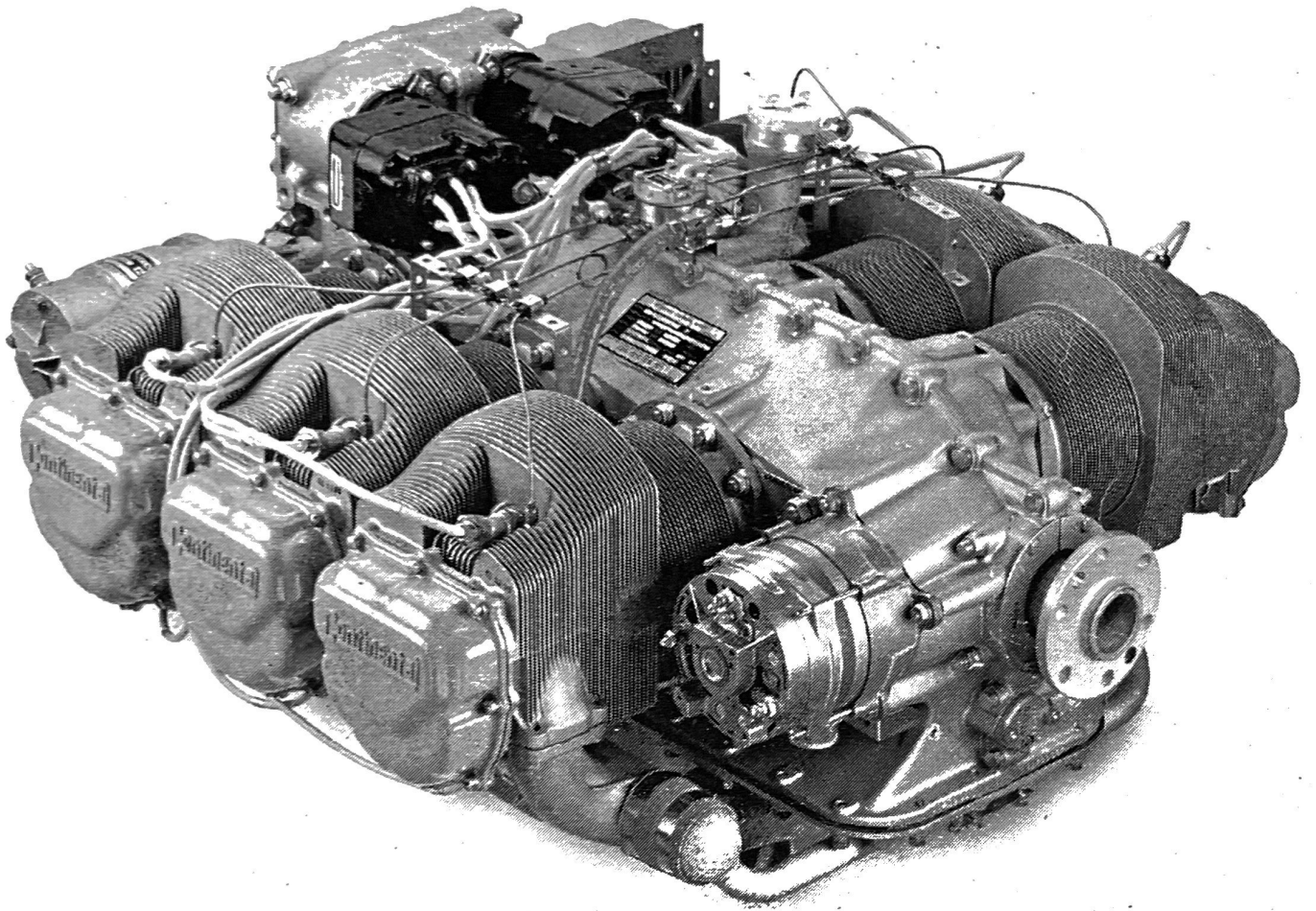


# ENGINE LOG BOOK



**Teledyne Continental Motors, Inc.**

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
12/15/05	31	0			CHANGED OIL & FILTER, SERVICED WITH SHELL MINERAL OIL 10W
1-12-06	53	20			AP 452431079 Changed oil & filter - Shell Aero 10W50
<p>Date: 04/05/2006      Hr. Meter: 104.1      TT: 104.1      N615BB</p> <p>Engine S/N: 688136</p> <p>TCM Model: IO-550-N(7)</p> <p>Drained oil and inspected filter for metal (sample taken). Installed new filter P/n CH48108-1 and serviced engine with 7 Qts. Aeroshell 15W-50. Ran engine and checked for leaks.</p> <p>Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478</p> <p style="text-align: right;"><i>Fouad F. Hussain</i> Fouad F. Hussain A&amp;P461558166</p>					
<p><b>N615BB</b></p> <p><b>Engine</b></p> <p><b>Date: 4/12/06</b></p> <p><b>Total time: 120.6</b></p> <p><b>Installed new exhaust stack PN 15070-001 and gasket PN 652458. Leak and ops check satisfactory.</b></p> <p><i>Philip Zwahr AP 2685619 IA</i></p> <p><b>Philip Zwahr A&amp;P2685619IA</b> <b>Brazoria Aviation Services</b></p>					
5-21-2006	162				CHANGED OIL 10W50 AEROSHELL 7QTS. INSTALLED FILTER 48108-1 RAN ENGINE & CHECKED FOR LEAKS Barry Beaudin
<p>Date: 07/07/2006      Hr. Meter: 210.4      N615BB</p> <p>Engine S/N: 688136</p> <p>TCM Model: IO-550-N7</p> <p>Drained oil and inspected filter for metal (oil sample taken). Installed new oil filter P/n AA48108 and serviced engine with 7 Qts. Aeroshell 15W-50. Ran engine and checked for leaks.</p> <p>Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478</p> <p style="text-align: right;"><i>Fouad F. Hussain</i> Fouad F. Hussain A&amp;P461558166</p>					
<p>Date: 08/21/2006      Hr. Meter: 256.0      N615BB</p> <p>Engine S/N: 688136</p> <p>TCM Model: IO-550-N7</p> <p>Drained oil and inspected filter for metal (oil sample taken). Installed new oil filter P/n CH48108-1 and serviced engine with 7 Qts. Aeroshell 15W-50. Ran engine and checked for leaks.</p> <p>Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478</p> <p style="text-align: right;"><i>Fouad F. Hussain</i> Fouad F. Hussain A&amp;P461558166</p>					

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward				

Date: 11/03/2006 Hr. Meter: 274.1  
 Airframe S/N: 1682  
 Cirrus Model: SR22

N615BB

Bled brake system IAW Cirrus SR22 AMM 32-42.  
 Houston Aviation Center, LLC  
 Sugar Land Regional Airport  
 12888 Hwy. 6 South  
 Sugar Land, TX 77478

*Fouad F. Hussain*  
 Fouad F. Hussain  
 A&P461558166

Date: 12/18/2006 Hr. Meter: 296.9 TT: 296.9 SMOH: N/A N615BB  
 Propeller S/N: FP4137B  
 Hartzell Model: PHC-J3YF-1RF

Performed an **Annual Inspection** this date using Cirrus Design Corp. Scheduled Inspection Reprot CH 5-20 of A.M.M and Propeller Owner's Manual No. 115N Rev. 7. Inspected and dressed propeller blade leading edges. Inspected and lubricated propeller hub. Checked blade track. Checked AD's thru **BW 2006-25**. I certify that this Propeller has been inspected in accordance with an **Annual Inspection** and was determined to be in **Airworthy** condition.

Houston Aviation Center, LLC  
 Sugar Land Regional Airport  
 12888 Hwy. 6 South  
 Sugar Land, TX 77478

*Philip Zwahr*  
 Philip Zwahr  
 A&P26856191A

Date: 12/18/2006 Hr. Meter: 296.9 TT: 296.9 ELT: 03/2012 N615BB  
 Airframe S/N: 1682  
 Cirrus Model: SR22

Performed an **Annual Inspection** this date using Cirrus Design Corp. Scheduled Inspection Report CH. 5-20 of A.M.M. Inspected and lubricated all pulleys, cables, rod ends trim cartridges and hinges. Serviced brake reservoir with MIL-H-5606. Serviced & charged primary battery. Surface charged #2 batteries. Inspected and cleaned all fuel screens. Repacked wheel bearings. Tightened nose wheel axle bolt per FSC0002 Rev.1. Installed new chafe tape P/n 50700-063U on lower cowling. Inspected brakes per Cirrus **SA06-03**. Installed (1) new well nuts P/n 50803-001 on RH MLG upper fairing. Installed new engine induction air filter P/n BA24. C/W **SB 2X-71-12R2** "Induction Duct Support Bracket Removal" by installing new induction duct assy. P/n 15708-003. C/W **SB 2X-52-04R2** "Cabin Door Strut Modification" by installing Catcher/Diverter Kit P/n 70167-001. Inspected and tested ELT per FAR 91.207(d). Crew Seat Break-over Bolt **AD 2005-17-19** superseded by **AD 2006-19-10** was P/C/W by C/W **SB 2X-25-17R1** on 04/05/2006, Hr. Meter: 104.1. Fuel Line and Wiring Harness in Console **AD 2006-07-06** is N/A by S/N. POH, Brake Caliper Overheating Damage **AD 2006-21-03** was P/C/W by C/W **SB 2X-32-14R1** on 04/05/2006, Hr. Meter: 104.1. Checked AD's thru **BW 2006-25**. I certify that this Airframe has been inspected in accordance with an **Annual Inspection** and was determined to be in **Airworthy** condition.

Houston Aviation Center, LLC  
 Sugar Land Regional Airport  
 12888 Hwy. 6 South  
 Sugar Land, TX 77478

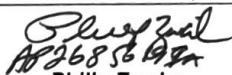
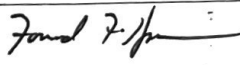
*Philip Zwahr*  
 Philip Zwahr  
 A&P26856191A

12/18/2006 N615BB S/N1682 WO 14905

REMOVED A DATA ACQUISITION UNIT (DAU) P/N A1615 S/N 037 FROM THE AIRCRAFT. INSTALLED A WARRANTY REBUILT REPLACEMENT UNIT S/N180. THE CABLE BETWEEN THE PRIMARY FLIGHT DISPLAY (PFD) AND DAU WAS REPLACED. OPERATIONS CHECKED NORMAL.

SOLAPP Avionics Inc. CRS OSJR598L  
 12888 Highway 6 S. STE 105  
 Sugar Land, TX 77478

*Michael*

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
Date:12/18/2006	Hr. Meter:296.9		TT:296.9		SMOH:N/A N615BB
Engine S/N: 688136					
TCM Model: IO-550-N7					
Performed an <b>Annual Inspection</b> this date using Cirrus Design Corp. Scheduled Inspection Report CH 5-20 of A.M.M. Performed TCM <b>TopCare Health Checklist</b> Form items 1 thru 11 per <b>TCM SID 97-2A</b> . Performed a cylinder compression check IAW <b>TCM SB M84-15</b> using a differential compression tester with a calibrated orifice value of 46 PSI with results as follows: #1/78, 2/78, 3/74, 4/78, 5/78, 6/74 over 80 PSI. Inspected and tested Continuous Fuel Injection system per <b>TCM SID 97-3C</b> . Inspected intake and exhaust systems for leaks. Cleaned, gapped and tested spark plugs. Drained oil and inspected oil filter for metal (oil sample taken). Installed new oil filter P/n CH48108-1 and serviced engine with 7 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Inspected and cleaned all fuel injector nozzles and reinstalled nozzles with new o-rings P/n 630979-9. Purged system and checked for leaks. Magneto Impulse Coupling <b>AD 96-12-07</b> is superseded by <b>AD 2005-12-06</b> is initially due Hr. Meter: 500.0. Checked AD's thru <b>BW 2006-25</b> . I certify that this <b>Engine</b> has been inspected in accordance with an <b>Annual Inspection</b> and was determined to be in <b>Airworthy</b> condition.					
Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478					 Philip Zwahr A&P2685619IA
Date:05/08/2007	Hr. Meter: 360.4				N615BB
Engine S/N: 688136					
TCM Model: IO-550-N7					
Drained oil and inspected filter for metal (oil sample taken). Installed new oil filter P/n CH48108-1 and serviced engine with 7 Qts. Aeroshell 15W-50. Ran engine and checked for leaks.					
Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478					 Fouad F. Hussain A&P3204861

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

**Brought Forward**

ENGINE MODEL:  
IO-550-N7  
ENGINE S/N 688136  
REG NO. N615BB  
WORK ORDER:  
259-01-2008



**Houston Aviation Center, LLC**  
12888 Hwy 6 S Ste 113  
Sugar Land, TX 77478  
Phone: 281-494-5800

DATE: 2/14/2008  
A/C TSN: 452.9  
ENG TT: 452.9  
HOBBS: 452.9

**Engine Entries**

Performed an annual inspection this date Ref CDC SR22 AMM 5-20. Performed a cylinder compression check Ref TCM SB M84-15 using differential compression tester with a calibrated orifice value of 48 PSI with results as follows: #1/74, 2/75, 3/72, 4/70, 5/74, 6/73 over 80 PSI. Drained oil and checked oil filter for contaminants-none found this date. Sample taken. Installed new filter p/n CH48108-1. Serviced engine with 7 qts of Aeroshell 15W50. Inspected and tested Continuous Flow Fuel Injection system per TCM SID 97-3D. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injectors nozzles and reinstalled nozzles with new o-rings p/n 630979-9. Purged system and checked for leaks. Checked AD's thru BW 2008-04. AD 2007-04-19R1 is N/A by Superior Airparts cylinders not installed. AD 2007-16-10 is N/A by Accessories CRS No. QYIR334Y, W/O 45636 & 45637. Reinstalled and timed magnetos. Reinstalled intake pipe with new gasket P/n 649950. Ops and condition. **Removed LH and RH magneto P/n 10-500556-1 RH-S/N D05IA075, LH-S/N D05IA083 for 500 hr inspection by Quality Aircraft leak check satisfactory.... I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.**

**Maintenance Release**

The aircraft and/or component(s) on N615BB was repaired and/or inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 259-01-2008

DATE: 2/14/2008      SIGNED: *Fouad Hussain*      Work Order: 259-01-2008  
Fouad Hussain, A&P: 3204861 IA      Printed by EBis 3 (datcomedia.com)

PROP MODEL:  
PHC-J3YF-1RF  
PROP S/N: FP4037B  
REG NO: N615BB  
WORK ORDER:  
259-01-2008



**Houston Aviation Center, LLC**  
12888 Hwy 6 S Ste 113  
Sugar Land, TX 77478  
Phone: 281-494-5800

DATE: 2/14/2008  
A/C TSN: 452.9  
PROP TT: 452.9  
HOBBS: 452.9

**Prop Entries**

Performed an annual inspection this date using CDC SR22 AMM 5-20 and Propeller Owner's Manual No. 115N. Inspected and dressed propeller blade leading edges. Inspected and lubricated propeller hub. Checked blade track. Checked AD's thru BW 2008-04. AD 2007-26-09 is N/A by blade S/N.... I certify that this Propeller has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N615BB was repaired and/or inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 259-01-2008

DATE: 2/14/2008      SIGNED: *Fouad Hussain*      Work Order: 259-01-2008  
Fouad Hussain, A&P: 3204861 IA      Printed by EBis 3 (datcomedia.com)

[ Date ]	[ Tach ]	[ HM ]	[ TSMOH ]	[ ENGTT ]	<b>Engine Log Entry</b>
[ 10-7-08 ]	[ ----- ]	[ 513.2 ]	[ ----- ]	[ 513.2 ]	N615BB, Cirrus SR22, S/N:1682, Continental IO-550-N7,
[ ACTT ]	[ 513.2 ]	[ ----- ]	[ ----- ]	[ ----- ]	ENG S/N: 688136

- Drained and serviced oil with 7qts. Aeroshell 15W50 oil.
- No oil sample taken.
- Removed and replaced oil filter with P/N: AA48108.
- Disassembled oil filter; no contaminants found.
- Performed engine wash and run; no leaks noted.
- All work done I.A.W. current FAA regulations and standards.-----END-----

Christopher L. Buckner *Christopher Buckner*      A&P: 3335388


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

**Brought Forward**

ENGINE MODEL:  
IO-550-N7  
ENGINE S/N: 688136  
REG. NO: N615BB  
WORK ORDER:  
768-02-2009



**Houston Aviation Center, LLC**  
12888 Hwy 6 S Ste 113  
Sugar Land, TX 77498  
Phone: 281-494-5800

DATE 2/13/2009  
A/C TSN: 547 2  
ENG TT: 547 2  
HOBBES: 547 2

**Engine Entries**

Completed an Annual Inspection this date Ref CDC SR22 AMM 5-20. Performed a cylinder compression check Ref TCM SB03-3 using differential compression tester with a calibrated orifice value of 44 PSI with results as follows: #1/74, 2/73, 3/70, 4/72, 5/74, 6/70 over 80 PSI. Drained oil and inspected filter for contaminants (sample taken). Installed new oil filter P/n CH48108-1 and serviced engine with 7 Qts of Aeroshell 15W-50. Ran engine and checked for leaks. Inspected and tested Continuous Flow Fuel Injection system per TCM SID 97-3E. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injectors nozzles and reinstalled nozzles with new o-rings P/n 630979-9. Purged system and checked for leaks. Checked AD's thru BW 2009-03.... Adjusted LH and RH mags to 22 degrees BTC. Ran engine and checked operation... I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N615BB was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 768-02-2009.

DATE: 2/13/2009

SIGNED: *Fouad Hussain*  
Fouad Hussain, A&P: 3204861 IA

Work Order: 768-02-2009

Printed by EBis 3 (datcomedia.com)

10/7/09	598.7			Changed oil this date w Aeroshell 15W50 C-# 0704 2313 053 Replaced oil Filter w/new Champion CH48108-1. Ran engine No leaks Noted. Engine Approved For Return to service- EPA-Montague A-P 2383 77285
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ENGINE MODEL:  
IO-550-N7  
ENGINE S/N: 688136  
REG. NO: N615BB  
WORK ORDER:  
1183-01-2010



**Houston Aviation Center, LLC**  
12888 Hwy 6 S Ste 113  
Sugar Land, TX 77498  
Phone: 281-494-5800

DATE: 2/16/2010  
A/C TSN: 633 2  
ENG TT: 633 2  
HOBBES: 633 2

**Engine Entries**

Completed an Annual Inspection this date Ref CDC SR22 AMM 5-20. Performed a cylinder compression check Ref TCM SB03-3 using differential compression tester with a calibrated orifice value of 42 PSI with results as follows: #1/70, 2/72, 3/70, 4/70, 5/68, 6/69 over 80 PSI. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48108-1 and serviced engine with 7 Qts of Aeroshell 15W-50. Ran engine and checked for leaks. Inspected and tested Continuous Flow Fuel Injection system per TCM SID 97-3E. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injectors nozzles and reinstalled nozzles with new o-rings P/n 630979-9. Purged system and checked for leaks. Checked AD's thru BW 2010-03. AD 2009-16-03 Superior Air Parts Investment Cast Cylinder Assy. is N/A by Superior cylinders are not installed. AD 2009-19-07 TCM EQ3 Cylinder Head Assy. is N/A by Engine Model No. AD 2009-24-51 & AD 2009-24-52 Hydraulic Valve Lifters are N/A by affected lifters were not installed during time period.... Adjusted LH and RH magnetos to 22 degrees BTC. Operational and leak check satisfactory.... I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N615BB was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 1183-01-2010.

DATE: 2/16/2010

SIGNED: *Philip L Zwahr*  
Philip L Zwahr, A&P: 2685619 IA

Work Order: 1183-01-2010

Printed by EBis 3 (datcomedia.com)

8-9-2010				CHANGED OIL CH48108 OIL FILTER 8qts 15W50 Hobbs 693.6 NO LEAKS / ENGINE APPROVED FOR Return to Service EPA Montague A-P 2383 77285
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# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Brought Forward →

ENGINE MODEL:  
IO-550-N7  
ENGINE S/N: 688136  
REG. NO: N615BB  
WORK ORDER:  
1717-12-2010

**Houston Aviation Center, LLC**

12888 Hwy 6 S Ste 113  
Sugar Land, TX 77498  
Phone: 281-494-5800

DATE: 3/17/2010  
A/C TSN: 7737  
ENG TT: 7737  
HOBBS: 7737

**Engine Entries**

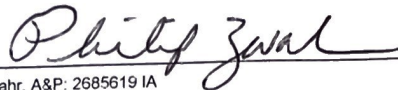
Completed an Annual Inspection this date Ref CDC SR22 AMM 5-20. Performed a cylinder compression check Ref TCM SB03-3 using differential compression tester with a calibrated orifice value of 44 PSI with results as follows: #1/66, 2/64, 3/62, 4/6, 5/64, 6/62 over 80 PSI. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48108-1 and serviced engine with 7 Qts of Aeroshell 15W-50. Ran engine and checked for leaks. Inspected and tested Continucus Flow Fuel Injection system per TCM SID 97-3E. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injectors nozzles and reinstalled nozzles with new o-rings P/n 630979-9. Purged system and checked for leaks. Checked AD's thru BW 2011-05. **Hydraulic Lifter AD 2010-11-04** (supersedes AD 2009-24-51 & AD 2009-24-52) is N/A by affected lifters have not been installed after June 19, 2009.... Installed new oil dipstick P/n 656616-1. I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N615BB was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 1717-12-2010.

DATE: 3/17/2010

SIGNED:



Philip L. Zwahr, A&P: 2685619 IA

Work Order: 1717-12-2010

Printed by EP:is 3 (at tcc.media.com)

3-5-12

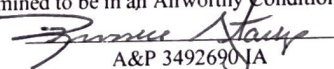
844.8



**Southwest Texas Aviation Inc.**  
1815 Airport Dr. San Marcos, Texas 78666  
(512) 353-3455

**Date: 3-5-12    Hobbs: 844.8    Reg #: N615BB**

Inspected Engine in accordance with the scope and detail of FAR 43 Appendix D and using the Cirrus SR22 Scheduled Inspection Checklist as a guide. Drained oil and removed filter. Serviced engine with 8 qts. Aeroshell 15W50 and CH48108-1 filter. Cut open old filter and inspected for metal...none found. Compressions: (1) 68/80, (2) 72/80, (3) 60/80, (4) 68/80, (5) 68/80, (6) 70/80 (Master Orifice=42/80). Installed 12 ea. new RHB32E spark plugs with new sealing washers. Leak checked exhaust. Checked magneto timing. Washed engine and leak checked. Lubed engine controls and inspected for security and condition. Ultrasonic cleaned all fuel injector nozzles and reinstalled with new seals. Installed new Bracket air filter element P/N: BA-24. Inspected fluid lines for security and condition. Inspected engine mount and isolators for security and condition. Checked wiring for security and condition. Adjusted fuel system pressures and flows per TCM SID97-3E. AD's checked through 2012-04, see compliance list folder in aircraft records. I certify that this Engine has been inspected in accordance with a 100 Hr. Inspection and was Determined to be in an Airworthy Condition

  
A&P 3492690 IA

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
4-1-13	9	30		

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins



**Southwest Texas Aviation Inc.**  
 1815 Airport Dr. San Marcos, Texas 78666  
 (512) 353-3455

**Date: 4-1-13    Hobbs: 930.6    Reg #: N615BB**

Inspected Engine in accordance with the scope and detail of FAR 43 Appendix D and using the Cirrus SR22 Scheduled Inspection Checklist as a guide. Drained oil and removed filter. Serviced engine with 8 qts. Aeroshell 15W50 and CH48108-1 filter. Cut open old filter and inspected for metal...none found. Compressions: (1) 68/80, (2) 73/80, (3) 70/80, (4) 66/80, (5) 70/80, (6) 68/80 (Master Orifice=42/80). Cleaned, gapped, rotated and reinstalled spark plugs with new sealing washers. Leak checked exhaust. Timed both magnetos to 22\*. Washed engine and leak checked. Lubed engine controls and inspected for security and condition. Ultrasonic cleaned all fuel injector nozzles and reinstalled with new seals. Installed new Bracket air filter element P/N: BA-24. Inspected fluid lines and wiring for security, routing and condition. Inspected engine mount and isolators for security and condition. Installed new induction duct hinge bolt P/N: AN3-34 per Cirrus S.B. 2X-05-02 (Next Due: 4-1-15 or Hobbs: 1430.6 Whichever comes first). Reinstalled alternator #1 after overhaul by Quality Aircraft Accessories Inc. (See Attached Form 8130-3). Alternator installed with new gasket and lock washers. Torqued all alternator attach nuts per TCM IO-550 Overhaul Manual. (Continued Next Page)



**Southwest Texas Aviation Inc.**  
 1815 Airport Dr. San Marcos, Texas 78666  
 (512) 353-3455

**Date: 4-1-13    Hobbs: 930.6    Reg #: N615BB**

Secured and torqued loose forward crank case thru bolt. Adjusted fuel system pressures and flows per TCM SID97-3E. Installed serviceable alt. #1 field control module P/N: 14605-001 and resealed MCU. AD's checked through 2013-06, see compliance list folder in aircraft records. I certify that this Engine has been inspected in accordance with a 100 Hr. Inspection and was Determined to be in an Airworthy Condition.

*[Signature]*  
 A&P 3492690 IA



# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins



**Southwest Texas Aviation Inc.**  
 1815 Airport Dr. San Marcos, Texas 78666  
 (512) 353-3455

Date: 4-25-14 Hobbs: 993.4 Reg #: N615BB

Inspected Engine in accordance with the scope and detail of FAR 43 Appendix D and using the Cirrus SR22 Scheduled Inspection Checklist as a guide. Drained oil and removed filter. Serviced engine with 8 qts. Aeroshell W100 and CH48108-1 filter. Cut open old filter and inspected for metal... none found. Compressions: (1) 70/80, (2) 69/80, (3) 70/80, (4) 69/80, (5) 66/80, (6) 60/80 (Master Orifice= 44/80). Cleaned, gapped, rotated and reinstalled spark plugs with new sealing washers. Installed new **R/H exhaust heat exchanger P/N: A14837-001-1 and L/H muffler P/N: A14836-001-1** (See Attached Tags) **Reinstalled Bendix Magnetos Model: S6RSC-25, S/N's: D051A083 & D051A075 after 500 Hr. maintenance** and repair by Quality Aircraft Accessories (See Attached 8130-3's). Mags installed with new base gaskets, lock washers, and timed to 22\*. Washed engine and leak checked. Lubed engine controls and inspected for security and condition. Ultrasonic cleaned all fuel injector nozzles and reinstalled with new seals. Installed new Bracket air filter element P/N: BA-24. Installed new air filter mounting pin P/N: 14626-001. Inspected fluid lines and wiring for security, routing and condition. Inspected engine mount and isolators for security and condition. Installed Porta-Test box and adjusted fuel system pressures and flows as needed per TCM SID97-3F. Installed new #4 EGT probe P/N: 16579-002. AD's checked through 2014-08, see compliance list folder in aircraft records. I certify that this Engine has been inspected in accordance with a 100 hr Inspection and was Determined to be in an Airworthy Condition.

*R R Montoya*  
 A&P 34926901A

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward →				
4-25-14	993	4		

7/25/14	Hobbs: 1014.6	Changed oil w/ 8 qts Aeroshell 15-w-50 CS# 10610086 C521. Replaced & saftied New Tempest AA48108-2 oil Filter. Cut open old Filter no unacceptable contaminates Found. No unacceptable contaminates Found on drain plug magnet. No leaks Noted. -END- <i>R R Montoya</i> A&P 3528383
11/3/2014	hobbs: 1051.0	Changed oil w/ 7 qts Aeroshell 15w-50 CS# 10610066. Replaced oil Filter w/ new Tempest AA48108-2 oil Filter Torqued & saftied. Checked & cleaned Magnetic drain plug & cleaned & Inspected oil Filter Media. No unacceptable contaminates Found. Reinstalled drain plug & saftied. Replaced broken Gaff wire on AC drive pully. Checked compression and bore scoped AS per SB03-3. No Problems Noted -END- <i>R R Montoya</i> A&P 3528383

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins



**Southwest Texas Aviation Inc.**  
 1815 Airport Dr. San Marcos, Texas 78666  
 (512) 353-3455

**Date: 4-17-15 Hobbs: 1064.0 Reg #: N615BB**

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward	→			
4-17-15	1064	0		

Inspected Engine in accordance with the scope and detail of FAR 43 Appendix D and using the Cirrus SR22 Scheduled Inspection Checklist as a guide. Drained oil and removed filter. Serviced engine with 8 qts. Aeroshell 15W50 and CH48108-1 filter. Cut open old filter and inspected for metal...none found. Compressions: (1) 70/80, (2) 66/80, (3) 60/80, (4) 64/80, (5) 63/80, (6) 60/80 (Master Orifice= 42/80). Cleaned, gapped, rotated and reinstalled spark plugs with new sealing washers. Installed new #5 exhaust header pipe P/N: 15070-003 and reinstalled exhaust with new gaskets and TCM lock nuts P/N: MS20500-428. Leak checked exhaust system. Checked magneto timing. Washed engine and leak checked. Lubed engine controls and inspected for security and condition. Ultrasonic cleaned all fuel injector nozzles and reinstalled with new seals. Installed new Bracket air filter element P/N: BA-24. Inspected fluid lines and wiring for security, routing and condition. Inspected engine mount and isolators for security and condition. Installed Porta-Test box and checked fuel system pressures and flows per TCM SID97-3F. AD's checked through 2015-07, see compliance list folder in aircraft records. I certify that this Engine has been inspected in accordance with a 100 Hr. Inspection and was Determined to be in an Airworthy Condition.

*[Signature]*  
 A&P 3492690 IA

9/1/2015  
 Drained oil. Removed oil Filter  
 Refilled oil w/ 8 qts Aeroshell  
 15W50. Cleaned drain plug  
 magnet. No unusual contaminants  
 found. Replaced Plug w/ New gasket  
 Cut open oil Filter No unacceptable  
 contaminants found. -END-  
 RR Montague A/P 3528383



DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607	Pg 1 / 1
LOG ID# 10291 29-July-2016 WO# 6402 REF# 6402 AC TT 1133.7 HOBBS 1133.7	
N615BB S/N 1682 CIRRUS SR22	
FHM 1133.7 TSN 1133.7 TSO 1133.7	

ENGINE SN: 688136  
 \*COMPLETED ANNUAL INSPECTION IAW FAR 91.409, FAR 43 APPENDIX D, AND CIRRUS SR22 MM 5-00. ALL AD'S AND SB'S RESEARCHED THROUGH CURRENT ATP REVISION 7/28/2016. NEXT ANNUAL INSPECTION DUE 7/2017. COMPLIED WITH TCM TOPCARE HEALTH CHECKLIST FORM, CYLINDER BORE INSPECTION, AND COMPRESSION CHECK PER SID 97-2 AND SB03-3.  
 COMPRESSION: #1-62/80; #2-71/80; #3-64/80; #4-74/80; #5-69/80; #6-58/80. (M/O:42/80#)  
 DRAINED OIL; TOOK SAMPLE; REMOVED, INSPECTED, AND REPLACED OIL FILTER, P/N CH48108-1; SERVICED WITH 7 QTS AEROSHELL 15W50 OIL. LEAK CHECK: GOOD. ALL IAW CIRRUS SR22 MM 12-10.  
 REMOVED, CLEANED, INSPECTED, TESTED, AND REINSTALLED ALL SPARK PLUGS IAW CIRRUS SR22 MM 74-20 & MFG INSTRUCTIONS. OPS CHECK: GOOD.  
 COMPLIED WITH FUEL SYSTEM SETUP PER SID 97-3G. OPS/LEAK: GOOD.

I CERTIFY THAT THIS AIRCRAFT, ENGINE, OR PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

*[Signature]* 3399769 7-29-16  
 VES BANGLE A&P 3399769 IA DATE



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins				
	Hrs.	Min.	Hrs.	Min.					
Brought	ENGINE LOG BOOK ENTRY								
	LOG#	287							
	Date:	3/25/2019							
	Aircraft	N615BB	Acft Model:	SR22	Engine Model:	IO550-N7	Prop Model:	FP4137B	
			Acft S/N	1582	Engine S/N:	688136	Prop S/N:		
	Discrepancy:	100 Hour/Annual Inspection							
	Corrective Action:	Performed 100 Hour/Annual inspection IAW FAR 43 App D. Cleaned engine and cowling. Compressions #1-62/80 #2-60/80 #3-62/80 #4-64/80 #5-67/80 #6-60/80. Cleaned fuel injectors. replaced O-rings as needed. Cleaned and test spark plugs. replaced two bad spark plugs PN-RHB32E. Replaced air filter PN-BA24. Lubed starter. Drained oil. collected oil sample. Replaced oil filter with AA48108. Serviced oil with 10 qts Aeroshell W 100. Replaced #1 and #3 intake gaskets. Ran engine. run up checks good. no leaks noted. I certify this engine was inspected IAW 100 Hour/Annual Inspection and was determined to be in airworthy condition.							
	P/N ON				S/N ON:				
	P/N OFF				S/N OFF:				
	HOBBS/HOURS:	1236.3							
	TT:	1236.3	SMOH:	1236.3					
	Completed by:	John Lach 		A&P/IA	456535670				

**ENGINE LOG**  
2/16/2021

**STEEL AVIATION**

Reg:	N615BB	Eng. S/N:	688136
Make:	CIRRUS	Model:	TCM IO-550N
Hobbs:	1249.3	Tach:	N/A
		TSMOH:	

1. Removed  
 ENGINE IO-550 N S/N688136.  
 PROP S/N PHC-J3YF-1RF, S/N  
 FP14137B.  
 Prop GOV,P/N 051066  
 ALT 2 S/N 0953994.  
 ALT 1 005JA158.

A/P3939968  
 Signed BRAD HELMAN  

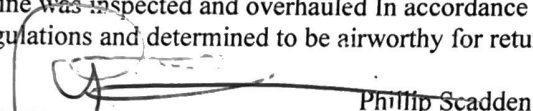

# PCS ENGINES

14833 SIDNEY-PLATTSVILLE RD  
SIDNEY OH 45365  
(937)-833-0843

Date 9-15-2021 model IO-550-N7  
S/N 688136  
ETT 1249.3 TSOH 0.0

This engine was overhauled to new parts limits using Continental overhaul manual as a guide, all ferrous part inspected using ASTM E-1444 -94a as a guide, all non-ferrous materials were inspected using ASTM E 1417-95a as a guide, all connecting rods were rebushed, all rocker arms were rebushed, all counterweights rebushed, and crankshaft blades rebushed. Engine rotating assy balanced. All cylinders were overhauled. Camshaft and lifters were installed new. Ignition system were installed new. Fuel system overhauled, starter adapter overhauled. Oil cooler overhauled. See AD list for compliance. Following service bulletins were complied with SIL98-9E, SB96-10B, MSB96-10B, SIL99-2C, SB07-1, SB06-1A, SB00-3A, SB02-3, and M85-10

Tested engine using manufactures guidelines as a guide.  
I certify that this engine ~~was inspected~~ and overhauled In accordance with current FAA regulations and determined to be airworthy for return to service

IA A&P 400062798  Phillip Scadden



**ENGINE LOG**

18-4-2021



Reg: N8170A	Eng. S/N: 688136
Make: Cirrus	Model: IO-550N
Hobbs: 3636.6	Tach: 0.0
	TTSMOH: 0.0

**Line Service and Maintenance Record**

ions, Inspections, Airworthiness Directives, Special Inspections, ations and Service Bulletins

1. Installed overhauled engine, IO550-N, S/N 688136 at ACTT: 3636.6 and Engine Total Time:1249.3 and 0.0 Time Since Overhaul.
2. Replaced Engine Vibration Isolator Mounts, P/N 96301-01 with new
3. Replaced flammable fluid carrying hoses with all new type D hoses
4. Installed overhauled McCauley Prop Governor, P/N C290D3-R/T23, S/N 670548
5. Replaced prop governor control rod end with new
6. Set up fuel system per TCM M0 manual, ground ran, and leak checked good.

Brad Helman A&P 3939968

WWW.STEELAVIATION.COM



**Fixed Wing Aviation Maintenance**

Lakeland Linder Regional Airport (KLAL)  
3760 Airfield Drive West WWW.FIXEDWINGAVIATION.COM  
Lakeland FL 33811 863-606-5757

Date: 11/19/2021; Aircraft: N8170A; Type: SR-22; S/N: 0745; Hobbs:; Tach: 3656.70; Engine - Type: IO-550, S/N:; Time:

-Drained oil and serviced with 8 quarts of AeroShell 100 mineral oil. Removed and replaced oil filter and cut open oil filter for inspection. Installed cowling and performed run-up.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Carl Dwinell A&P 3722251



Sarasota Avionics Inc Tampa (TPA)  
845 Severn Ave. Tampa, FL 33606  
Tail No: N8170A/Cirrus/SR22/Serial #0745  
Date: 02/03/22 Work Order: M3408  
Hobbs: 3674.5 Tach: N/A

Performed oil & filter change on Continental IO-550 and serviced with 7 quarts of Phillips X/C 20W-50 and CH48108-1 filter. Visually inspected filter and magnetic chip detector plugs for metal; none detected at this time. Ops & leak check good.

I certify, with respect to the work performed, that this aircraft is ready to be returned to service.

Zachary D. Singer A&P #4443274.

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

Brought For



**Sarasota Avionics Inc Tampa (TPA)**  
 845 Severn Ave. Tampa, FL 33606  
 Tail No: N8170A/Cirrus/SR22/Serial #: 0745  
 Date: 3/11/22 Work Order: M3424

Hobbs: 3708.5

R&R crank shaft seal. Ops & leak check good.

I certify, with respect to the work performed, that this aircraft is found to be airworthy and returned to service.

Ryan Schwarzman A&P 3782584.



**Fixed Wing Aviation Maintenance**  
 Lakeland Linder Regional Airport (KLAL)  
 3760 Airfield Drive West Lakeland FL 33811  
 www.fixedwingaviation.com 863-606-5757

Date: 5/13/2022; Aircraft: N8170A; Type: SR-22; S/N: 0745; Hobbs:; Tach: 3731.90; Total Time:; Engine - Type: IO-550, S/N:; Time:; Prop - Type: , S/N:; Time:

-Drained oil and serviced with 8 quarts of Phillips X/C 20W50. Removed and replaced oil filter and cut open oil filter for inspection. Installed cowling and performed run-up.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Steve Miller A&P 2700197



**Fixed Wing Aviation Maintenance**  
 Lakeland-Linder Regional Airport (KLAL)  
 3760 Airfield Drive W Lakeland FL 33811  
 www.fixedwingaviation.com  
 863-606-5757

Date: 8/01/2022; Aircraft: N8170A; Type: SR-22; S/N: 0745; Hobbs: 3754.10;

R&R battery # 1 with new P/N: RG24-15M, S/N: 41235272.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Carl Dwinneil A&P 3722251

