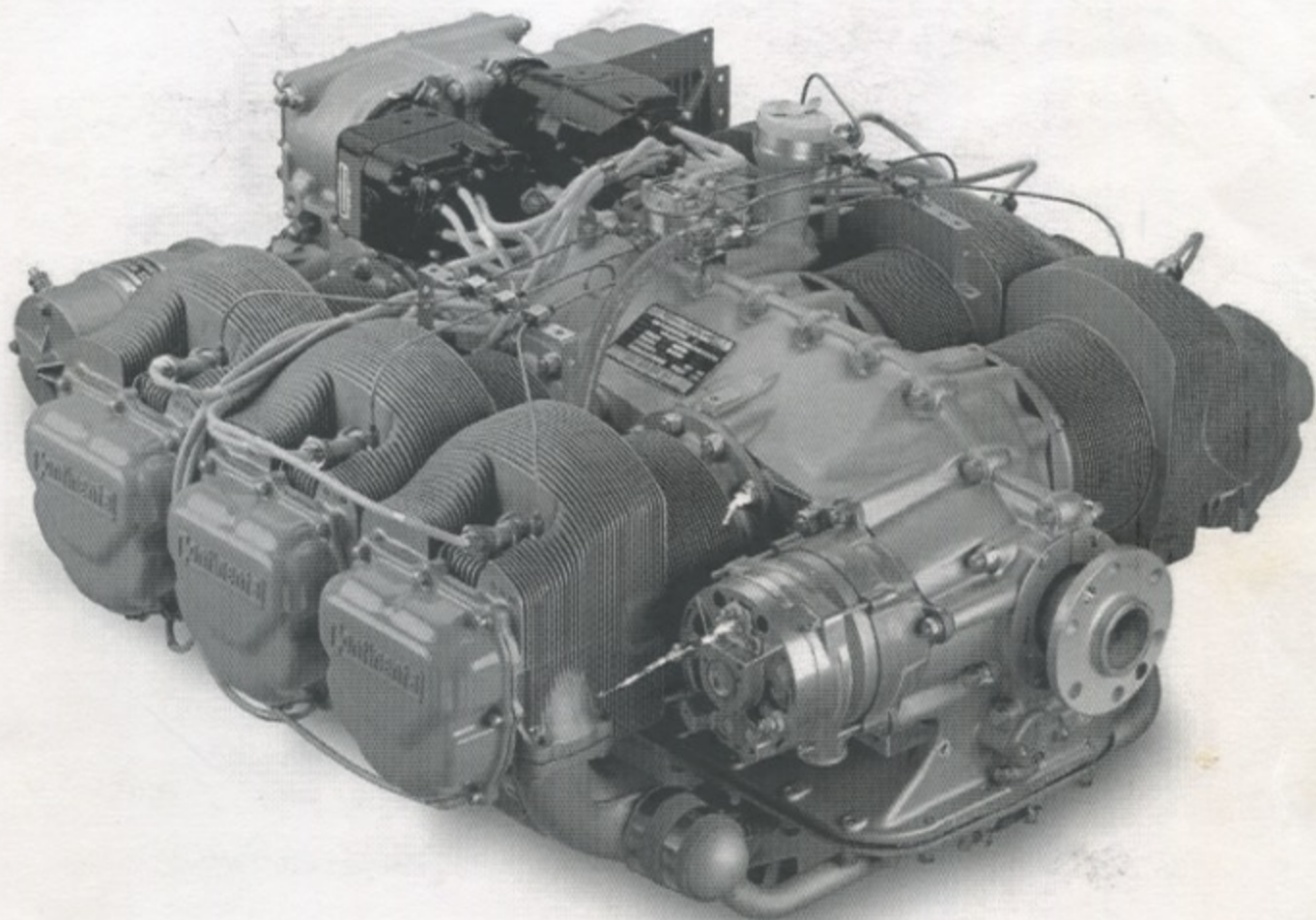


CIRRUS SR20 N77ZX

ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book Directly to:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

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

This engine model _____
was manufactured on _____
by Teledyne Continental
Teledyne Continental Motors, Inc.
A Teledyne Technologies Company
Printed: 01/09/2003
This engine model 10360ES6, Serial No. 357559 was manufactured on 01/09/2003
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.

TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

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.	

1-16-03 0 0

Serviced Engine with 8 Qts of Phillips 20W50 Straight Mineral Oil on 1/16/03 by *(Signature)*

3/10/03 24 30

Changed oil Phillips 20-50 CH48108 Straight Mineral Oil Gary Shane 524-507845

4/28/03 43 25

Changed oil AeroShell 20-50 CH48108 Gary Shane 524-507845

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N77ZX Continental IO-360-ES(6) S/N: 357559
 07 October 2003 Hobbs: 0081.1 Engine Total Time: 0081.1

Serviced engine with 8 qts Shell 15W50. Installed new oil filter. Old oil filter inspected. No ferrous contaminants noted. Oil sample submitted. Installed new Saf-Air Products, Inc. S6250 oil quick drain using new gasket. Ground run leak check satisfactory. END.

(Signature) L. John Wells A&P523116767 w/o 20005

12-7-03 130 3

Changed Oil AeroShell 15-50 Filter CH 48108 Gary Shane 524-507845

1-21-04 178.9

Changed Oil + Filter AeroShell 15-50 CH 48108 Gary Shane 524-507845

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N77ZX Continental IO-360-ES(6) S/N: 357559
 06 February 2004 Hobbs: 0181.8 Engine Total Time: 0181.8

100 Hour Inspection for Annual completed this date using the Cirrus SR20 inspection form as a guide. Compression results as follows; #1) 75/80, #2) 72/80, #3) 72/80, #4) 76/80, #5) 75/80, #6) 76/80. No oil change performed at this time. Cleaned and resealed fuel injection nozzles. Cleaned, gapped, tested and rotated spark plugs. Checked ignition timing. Adjusted both magnetos to 24 degrees as needed. Enrichened idle mixture 1/8 turn. Tightened #2 alternator belt and safetied. Installed new Brackett Induction Air Filter (BA-24). Tightened oil cooler support shoe as needed. Installed small piece of baffle seal to forward right baffling at lower tie bracket to prevent chafing on shroud tube. Adjusted 2 ea. bolts on each forward muffler clamp (4 ea. total) to provide for proper tension. Replaced missing retaining spring for #2 /#4 inner cylinder baffle. Fabricated and installed doubler at outboard oil cooler baffle. Checked and lubed engine controls. Engine ground run operational and leak check satisfactory. **Complied with Cirrus SB 2X-80-01 (starter replacement)** by verification of installed starter. Starter P/N: ES646275-1 found to be installed. No further action required. AD's checked through bi-weekly 2004-01. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. END.**

(Signature) L. John Wells A&P523116767 w/o 20371

4-15-04 230 9

changed oil + filter aeroshell 15-50 CH 48108 Gary Shane 524 507845

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	→				
8-29-04	281	3			Changed Oil AeroShell 15-50 8 qts CH 48108 Gary Shaw 524-56-7845
11-2-04	334	8			Changed oil 8 qts Aero Shell 15-50 CH 48108 Gary Shaw 524-50-7845

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N77ZX

Continental

IO-360-ES(6)

S/N: 357559

03 February 2005

Hobbs: 0381.5

Engine Total Time: 0381.5

Removed forward O-Ring in propeller governor control dust sleeve. Reassembled as needed using original hardware and new safety. Ground run operational check satisfactory. END

L. John Wells A&P523116767

w/o 21641

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N77ZX

Continental

IO-360-ES(6)

S/N: 357559

25 February 2005

Hobbs: 0354.2

Engine Total Time: 0354.2

100 Hour Inspection for Annual completed this date using the Cirrus SR20 inspection form as a guide. Compression results as follows; #1) 66/80, #2) 76/80, #3) 75/80, #4) 75/80, #5) 74/80, #6) 75/80. Lapped exhaust valve on #1 cylinder. Reassembled using new gaskets and bend tabs. Post repair compression check 76/80. Serviced engine with 8 qts. Shell 15W50. Installed new oil filter. Old filter inspected. No ferrous contaminants noted. Oil sample submitted. Cleaned and resealed fuel injection nozzles. Cleaned, gapped, tested and rotated spark plugs. Checked ignition timing. Checked and lubed engine controls. Adjusted propeller governor control as needed. Adjusted idle mixture. Installed new Brackett Induction Air Filter (BA-24). Adjusted oil cooler support shoe. Installed new gasket on oil pressure relief valve housing. Relieved propeller governor control rod end retaining washer to prevent chaffing of baffle. Ground run operational and leak check satisfactory. Test flight for SB 2X-76-03 satisfactory. AD's checked through bi-weekly 2005-02. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. END.

L. John Wells A&P523116767

w/o: 21699 / 21700

10-24-05 409.8

Changed oil 8 qts AeroShell 15-50
CH 48108 Gary Shaw 524 50 7845

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N77ZX

Continental

IO-360-ES(6)

S/N: 357559

10 November 2005

Hobbs: 0438.4

Engine Total Time: 0438.4

Removed lower right spark plugs. Cleaned, gapped and tested. No defects noted. Reinstalled plugs using new gaskets. END.

L. John Wells A&P523116767

w/o 22747

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.	

Brou

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N77ZX Continental IO-360-ES(6) S/N: 357559
 10 February 2006 Hobbs: 0494.9 Engine Total Time: 0494.9

100 Hour Inspection for Annual completed this date using the Cirrus SR20 inspection form as a guide. Compression results as follows; #1) 75/80, #2) 72/80, #3) 75/80, #4) 74/80, #5) 75/80, #6) 74/80. Serviced engine with 7qts. Shell 15W50. Installed new oil filter. Old filter inspected. No ferrous contaminants noted. Oil sample submitted. Cleaned and resealed fuel injection nozzles. Cleaned, gapped, tested and rotated spark plugs. Magnetos removed to facilitate 500 hour inspection. Disassembled, inspected and cleaned both magnetos. Reassembled using new point sets and safeties. No further defects noted. Reinstalled magnetos using new gaskets and timed to engine as needed. Removed #1 alternator, P/N: 654200A1. Installed new alternator, S/N: F101551. Checked and lubed engine controls. Installed new Brackett Induction Air Filter (BA-24). Cleaned connections for #5 EGT probe. Ground run operational and leak check satisfactory. AD's checked through bi-weekly 2006-02. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. END.

L. John Wells
 L. John Wells A&P523116767 w/o: 23049 / 23061

4-30-06 547.5 Changed Oil 8 qts Aeroshell 15-50
 CH 48108 MaryShane 524-50-7845

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N77ZX Continental IO-360-ES(6) S/N: 357559
 13 September 2006 Hobbs: 0583.0 Engine Total Time: 0583.0

Removed #2 alternator to facilitate replacement of drive coupling. Installed new "Green" drive coupling. P/N: 13656-020. Reinstalled alternator using original hardware and new gasket. Ground run operational and leak check satisfactory. END.

L. John Wells
 L. John Wells A&P523116767 w/o 23962

March 9, 2007
 N77ZX
 S/N 1299
 HM: 612.1



1. Performed a 100hr inspection of engine for annual of N77ZX in accordance with FAR 43 appdx D and a check list.
 2. Performed cylinder compression test #1 70/80 #2 67/80 #3 67/80 #4 68/80 #5 67/80 #6 73/80.
 3. Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15W50 oil and new AA48108 oil filter.
 4. Replaced one ea. Spark plug UREM38E.
 5. Tightened loose oil pressure relief valve.
 6. Installed Teflon protective boots on magneto P-leads.
- I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.
 END

Terrill Shafer
 Terrill Shafer
 IA2860279

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.	

Brpught Forward →

6-6-2007	667				Oil Change <i>aeroShell 15-50</i> CH 48108 <i>Yony Shane 524 50 7845</i>
12-28-2007	710				Oil change <i>aeroShell 15-50-7845</i> CH 48108 <i>YonyShane 524-50-7845</i>

March 27, 2008
N77ZX
S/N 1299
HM: 784.1



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed a 100hr inspection of engine for annual of N77ZX in accordance with FAR 43 appdx D and a check list.
 2. Performed cylinder compression test #1 69/80 #2 72/80 #3 72/80 #4 73/80 #5 69/80 #6 70/80.
 3. Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15W50 oil and new AA48108 oil filter.
 4. Replaced all 12 spark plugs, URHM-38E.
- Checked magneto to engine timing, was o.k. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.

END

Terrill Shafer
Terrill Shafer
IA2860279

September 19 2008
N77ZX
S/N 1299
HM: 834.5



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15W50 oil and new AA48108 oil filter.
2. Installed new CHT probe for cylinder # 4. P/N 14880-001.

END

Terrill Shafer
Terrill Shafer
IA2860279

Abilene Aero Inc.
2850 Airport Blvd
Abilene TX, 79602

Reg #: N77ZX Make: Cirrus S/N: 1299
Date: 12-11-2008 WO #: 10623 A/C TT: 861.3 Meter: 861.3

Compression check #1 69/80 #2 68/80 #3 65/80 #4 70/80 #5 67/80 #6 72/80. --Removed, cut open and inspected oil filter as required. No contamination noted in filter, the filter appers to have very little time in service Installed a new CH48108-1 oil filter.

George Wilkins
Approved for return to service AP450828487

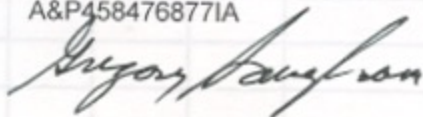
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

Date: 4/02/2009; Aircraft: N77ZX; Type: SINGLE ENGINE; S/N: 1299; Hobbs: 968.1; Total Time: 968.1; Engine - Type: TCM, IO360ES6, S/N: 357559, Time: 968.1; Prop - Type: PHC-J3YF-1RF, S/N: FP2087B, Time: 968.1

Compressions checked; #1 74/80, #2 72/80, #3 74/80, #4 75/80, #5 74/80, #6 75/80. Cleaned and gapped plugs. Replaced left and right mag with new p/n 6310 due to 5 year time life. Drained oil and collected oil analysis sample. Inspected oil filter and no metal noted. Serviced with 8 qts AeroShell 15W50. Tightened primary alternator belt. Checked connections on #2 & #4 cht probes. Leak check run satisfactory. N77ZX Hobbs indicates 968.1 Hours this Date 4/2/2009. I certify that this powerplant has been inspected in accordance with an annual/100 hour inspection and was determined to be in an airworthy condition. AD conformity checked thru biweekly 2009-07.

Aero Clinic, Inc.
PO Box 1626
Seminole, Tx. 79360
(432) 758-6455

Gregory Langham
A&P458476877IA



Date: 6/10/2009; Aircraft: N77ZX; Type: SINGLE ENGINE; S/N: 1299; Hobbs: 1043.4; Total Time: 1043.4; Engine - Type: TCM, IO360ES6, S/N: 357559, Time: 1043.4; Prop - Type: PHC-J3YF-1RF, S/N: FP2087B, Time: 1043.4

Drained oil and collected oil analysis sample. Cut and inspected oil filter. Nothing notable found. Serviced with 8 qts AeroShell 15W50. Leak check run OK.

AERO CLINIC INC.
P.O. BOX 1626
SEMINOLE TEXAS 79360
(432) 758-6455

LEX HINDS
A&P585047896

ENGINE MODEL:
IO-360ES6
ENGINE S/N: 357559
REG. NO: N77ZX
WORK ORDER:
4726-08-2009



Lone Mountain Aviation, Inc.

Repair Station No. L9OR473Y
2830 N. Rancho Dr, Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 9/19/2009
A/C TSN: 1051.1
ENG TT: 1051.1
HOBBS: 1051.1

Engine Entries

Oil Filter cut open and inspected; no metal found. Installed new oil filter and serviced oil as needed. Run and leak checked good. Engine compression ck'd. 1/73, 2/74, 3/71, 4/72, 5/72, 6/72. CK'd good. Engine cylinders borescoped; no defects noted.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 9/19/2009

SIGNED

Kenneth Scharado
Certified Repair Station No. L9OR473Y

Work Order: 4726-08-2009

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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:
IO-360-ES6
ENGINE S/N: 357559
REG. NO: N77ZX
WORK ORDER:
2377-04-2012



Houston Aviation Center, LLC

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

DATE: 8/2/2012
A/C TSN: 1214.5
ENG TT: 1214.5
HOBBSS: 1214.5

Engine Entries

Completed an Annual Inspection this date Ref. CDC SR20 AMM 5-20. Performed a cylinder compression check Ref TCM SB03-3 using a differential compression tester with a calibrated orifice value of 44 PSI with results as follows: #1/70, 2/70, 3/70, 4/72, 5/70, 6/76 over 80 PSI. Drained oil and inspected oil 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 and cleaned all fuel injectors nozzles. Purged system and checked for leaks. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested all spark plugs. Checked AD's thru BW 2012-14. Slick/Champion Magneto Stop Pin AD 2011-26-07 is N/A by S/N. AFS Fuel Servo Diaphragm AD 2012-03-06 is N/A by AVStar fuel system is not installed. 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 N77ZX 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. 2377-04-2012.

DATE: 8/2/2012

SIGNED:

Philip L. Zwahr, A&P: 2685619 IA

Work Order: 2377-04-2012

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ENGINE MODEL:
IO-360-ES6
ENGINE S/N: 357559
REG. NO: N77ZX
WORK ORDER:
3065-08-2013



Houston Aviation Center, LLC

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

DATE: 9/25/2013
A/C TSN: 1273.4
ENG TT: 1273.4
HOBBSS: 1273.4

Engine Entries

Completed an Annual Inspection this date Ref. CDC SR20 AMM 5-20. Performed a cylinder compression check Ref TCM SB03-3 using a differential compression tester with a calibrated orifice value of 44 PSI with results as follows: #1/72, 2/74, 3/70, 4/74, 5/70, 6/72 over 80 PSI. Ran engine and checked for leaks. Inspected and tested Continuous Flow Fuel Injection system per TCM SID97-3F. Inspected and cleaned all fuel injectors nozzles. Purged system and checked for leaks. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested all spark plugs. Checked AD's thru BW 2013-19. Removed oil cooler and installed new oil cooler P/n 8000904, S/N 2089174 with new gasket P/n 654117. Installed new oil cooler shoe P/n 632983. Operational and leak check satisfactory. Installed new oil cap gasket P/n 533355. 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 N77ZX 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. 3065-08-2013.

DATE: 9/25/2013

SIGNED:

Philip L. Zwahr, A&P: 2685619 IA

Work Order: 3065-08-2013

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-360-ES6
ENGINE S/N: 357559
REG. NO: N77ZX
WORK ORDER:
3560-09-2014



Houston Aviation Center, LLC

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

DATE: 9/29/2014
A/C TSN: 1323.1
ENG TT: 1323.1
HOBBSS: 1323.1

Engine Entries

Completed a 100 HR/Annual Inspection this date Ref. CDC SR20 AMM 5-20. Performed a cylinder compression check Ref TCM SB03-3 using a differential compression tester with a calibrated orifice value of 45 PSI with results as follows: #1/73, 2/62, 3/72, 4/74, 5/67, 6/72 over 80 PSI. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 7 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Inspected and tested Continuous Flow Fuel Injection system per TCM SID97-3F. Inspected and cleaned all fuel injectors nozzles. Purged system and checked for leaks. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested all spark plugs. Checked AD's thru BW 2014-18. I certify that this Engine has been inspected in accordance with a 100 HR/Annual Inspection and was determined to be in Airworthy condition.

Maintenance Release

The aircraft and/or component(s) on N77ZX 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. 3560-09-2014.

DATE: 9/29/2014

SIGNED:

Fouad Hussain, A&P: 3204851 IA

Work Order: 3560-09-2014

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-360-ES6
ENGINE S/N: 357559
REG. NO: N77ZX
WORK ORDER:
3993-07-2015



Houston Aviation Center, LLC

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

DATE: 8/7/2015
A/C TSN: 1343.6
ENG TT: 1343.6
HOBS: 1343.6

Engine Entries

Removed cylinder P/n 658190A1, S/N illegible, and installed new cylinder P/n 6581900A3BP, S/N AC14IA852. Installed Continental TSIO-360 subassembly connecting rod, repaired by Aircraft Specialties Services, Inc. CRS No. DD2R764K, under W/O 232322, using existing hardware. Installed new piston pin P/n SA629690 and new bearings P/n SA642338. Installed new oil filter P/n AA48108-2 and serviced engine with 8qts. Aeroshell 100 mineral oil. Cleaned and gapped spark plug. Installed new spark plug gaskets P/n U674, and reinstalled spark plug. Performed engine run Ref. TCM SB M-89-7R1. Operational and leak check satisfactory.

Maintenance Release

The aircraft and/or component(s) on N77ZX 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. 3993-07-2015.

DATE: 8/7/2015

SIGNED:

Martin Aaron Nicely, A&P: 3275896

Work Order: 3993-07-2015

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ENGINE MODEL:
IO-360-ES6
ENGINE S/N: 357559
REG. NO: N77ZX
WORK ORDER:
4084-09-2015



Houston Aviation Center, LLC

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

DATE: 10/12/2015
A/C TSN: 1355.5
ENG TT: 1355.5
HOBS: 1355.5

Engine Entries

Completed a 100 HR/Annual Inspection this date Ref. CDC SR20 AMM 5-20. Performed a cylinder compression check Ref TCM SB03-3 using a differential compression tester with a calibrated orifice value of 44 PSI with results as follows: #1/70, 2/68, 3/70, 4/72, 5/70, 6/70 over 80 PSI. Inspected and tested Continuous Flow Fuel Injection system per CMI SID97-3F. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested all spark plugs. Checked ADs thru BW 2015-21. Adjusted LH and RH magneto timing to 22 degrees BTC. Checked operation and found 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 N77ZX 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. 4084-09-2015.

DATE: 10/12/2015

SIGNED:

Philip L Zwahr, A&P: 26856191A

Work Order: 4084-09-2015

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ENGINE MODEL:
IO-360-ES6
ENGINE S/N: 357559
REG. NO: N77ZX
WORK ORDER:
4644-10-2016



Houston Aviation Center, LLC

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

DATE: 11/11/2016
A/C TSN: 1404.2
ENG TT: 1404.2
HOBS: 1404.2

Engine Entries

Completed a 100 HR/Annual Inspection this date Ref. CDC SR20 AMM 5-20. Performed a cylinder compression check Ref TCM SB03-3 using a differential compression tester with a calibrated orifice value of 44 PSI with results as follows: #1/76, 2/68, 3/70, 4/71, 5/68, 6/72 over 80 PSI. Inspected and tested Continuous Flow Fuel Injection system per CMI SID97-3G. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested all spark plugs. Checked ADs thru BW 2016-22. Installed (1) new spark plug P/n URHM3BE in #3 top position. Operational check satisfactory. I certify that this Engine has been inspected in accordance with a 100 HR/Annual Inspection and was determined to be in Airworthy condition.

Maintenance Release

The aircraft and/or component(s) on N77ZX 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. 4644-10-2016.

DATE: 11/11/2016

SIGNED:

Fouad Hussain, A&P: 3204861 IA

Work Order: 4644-10-2016

Printed by EBis 3 (datcomedia.com)

1. Approving Civil Aviation Authority/Country: FAA/United States
 2. Authority/Country: FAA/United States
AUTHORIZED RELEASE CERTIFICATE
 FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG
 3. Form Tracking Number: 373097

4. Organization Name and Address: Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615
 PC #508
 5. Work Order/Contract/Invoice Number: 432249
 0000158907

6. Item:	7. Description	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	CYL & VALVE ASSY LOADED, BAL	658190A3BP	3	See Block 12	NEW

12. Remarks: AIRWORTHINESS APPROVAL

Serial/Part Number(s)	Description	Serial	Description
ACI41A808	CYL & VALVE ASS	ACI41A299	CYL & VALVE ASS
ACI41A856	CYL & VALVE ASS	ACI41A805	CYL & VALVE ASS
ACI41A493	CYL & VALVE ASS		
ACI41A344	CYL & VALVE ASS		
ACI41A301	CYL & VALVE ASS		
ACI41A792	CYL & VALVE ASS		
ACI41A918	CYL & VALVE ASS		
ACI41A852	CYL & VALVE ASS		
ACI41A863	CYL & VALVE ASS		
ACI41A319	CYL & VALVE ASS		

13a. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in condition for safe operation.
 Non-approved design data specified in Block 12.

13b. Authorized Signature: *Daniel L. Nicholas*
 13c. Approval/Authorization No.: 500357431
 13d. Name (Typed or Printed): Daniel L. Nicholas
 13e. Date (dd/mm/yyyy): 12/Nov/2014

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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.

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.

1. Approving Civil Aviation Authority / Country FAA / United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG	3. Form Tracking No. ASI-051441
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4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. 2860 NORTH SHERIDAN ROAD TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K	PHONE: (918) 836-6872 FAX: (918) 836-4419	5. Work Order/ Contract/Invoice No. 232322
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6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1.	CONNECTING ROD	CONTINENTAL TSIO-360 SUBASSEMBLY	1	N/A	REPAIRED

12. Remarks
PERFORMED MAGNETIC PARTICLE INSPECTION IAW ASTM E1444/E1444M-12 DT: 15 OCT 2012
REPAIRED IAW ASPI PROCESS 0050 DT: 15 APR 2013

(IF INCLUDED, NO RETURN TO SERVICE DETERMINATION IS MADE FOR ROD BOLTS OR NUTS)

PART TRACKING NO: S232322-1
NOTE: ASPI - AIRCRAFT SPECIALTIES SERVICES, INC.

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.
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13b. Authorized Signature	13c. Approval/ Authorization No.	14b. Authorized Signature	14c. Approval/ Certificate No. DD2R764K
13d. Name (Typed or Printed)	13e. Date (dd/mm/yyyy)	14d. Name (Typed or Printed) Harold Lehman	14e. Date (dd/mm/yyyy) 05 AUG 2015

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer 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.

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.

END OF N77ZX Engine Log

January 2018