
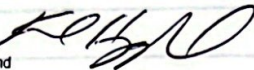


Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
					<div> <div>ENGINE MODEL: ENGINE S/N 917661 REG NO 828AB WORK ORDER 3625-05-2005</div> <div></div> <div> <b>Cirrus Design Factory Service Center</b>  Repair Station No YD5R855Y  4515 Taylor Circle  Duluth, MN 55811  Phone 218- 788-3101 </div> <div> DATE 5/12/2005  A/C TSN  ENG TT  HOBBS 218 </div> </div>
					<b>Engine Entries</b> (1) 12-20 Changed engine oil and filter, Champion CH48108, p/n 50857-001, serviced engine with 8 quarts of 20W50 mineral oil. Cut apart old filter, inspected old filter and drain plug for abnormalities, none found. Ran engine to perform operational and leak checks. Op's and leak checks good. All work was accomplished IAW Cirrus SR22 A.M.M. 12-20. I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y. DATE: 5/12/2005      SIGNED:  Karl Hagglund Certified Repair Station No YD5R855Y Work Order: 3625-05-2005 Printed by EBis 3 (datcomedia.com)



### EXECUTIVE AIR TRANSPORT, INC.

103 Sinclair Dr. - Muskegon, MI 49441

DATE: 6/14/05

TAIL #: N828AB

TSMOH: 66.3

W/O #: 05-03420

TYPE: SR22

HOBBS: 66.3

S/N#: 1419

1. Drained oil. Removed filter and inspected, no discrepancies noted. Installed a new CH48108-1 oil filter. Took S.O.A.P sample. Serviced engine with 8qts. of Aero Shell 15w50 oil. Performed engine run up operations and leak check satisfactory.

I certify that the above listed items have been completed per Cirrus Maintenance Manual.

Robert James  
AP366906760



### ARAPAHOE AERO

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

N828AB

Continental

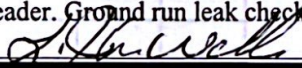
IO-550-N(27)

29 August 2005

Hobbs: 0116.7

Aircraft Total Time: 0116.7

Serviced engine with 7 qts. Shell 15W50. Installed new oil filter. Old filter inspected. No ferrous contaminants noted. Oil sample submitted. Installed new alternate air duct support on the #5 exhaust header. Ground run leak check satisfactory. END.


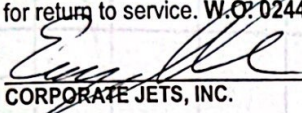



L. John Wells A&P523116767

w/o 22455/ 22456/ 22457

10-15-06 166.9 Changed oil + Filter, Champion CH48108 and serviced engine with 7 quarts Aeroshell 15-50 oil. Oil sample submitted & results good. Ground run leak check satisfactory. END  
Tom Bush owner/pilot # 3076908



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					
 <b>Corporate Jets, Inc.</b> <small>14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400</small> <b>N828AB Date: January 16, 2006</b> <b>Model #Cirrus SR22 S/N 1419</b> <b>AFTT 217.1</b> <b>IO550-N(27) s/n 917661 217.1</b> <b>ENGINE LOG ENTRY</b> <p>Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Took SOAP sample. Installed new CH48108-1 oil filter. Serviced engine with 8 qts of Aeroshell 15W-50 oil.  Ran engine, leak checked, no defects noted.</p> <p>I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. W.O. 024427</p> <p>  CORPORATE JETS, INC. FAA CRS# LN3R663L</p>					

ARAPAHOE AERO			
12760 EAST CONTROL TOWER ROAD; ENGLEWOOD, COLORADO 80112 (303) 799-8386			
N828AB	Continental	IO-550-N(27)	S/N: 917661 Engine Total Time: 278.00
17 May 2006	Hobbs Meter: 278.00		
<p><b>100 Hour Inspection for Annual</b> completed this date using the Cirrus SR22 Maintenance Manual Inspection Form as a guide and performed Teledyne Motors engine inspection using the TopCare Health Checklist Form. Differential compression test: #1) 75/80, #2) 75/80, #3) 77/80, #4) 77/80, #5) 77/80, and #6) 78/80. Drained oil and changed engine oil filter. Installed and safetied new engine oil pan quick drain Part No. CAV-S6250. Serviced engine using 7 quarts (Aeroshell 15W-50). Installed, torqued and safetied new Champion CH48108-1 oil filter. Old filter cut open and inspected for contaminates-no contaminates noted. Oil sample has been submitted. Performed borescope inspection of cylinders. No corrosion, scoring or discoloration noted. Performed engine fuel system check and set up per TCM SID97-3D. Adjusted idle speed and mixture and low fuel pressure. Removed, cleaned, gapped, tested, rotated, reinstalled, and torqued spark plugs. Removed, cleaned, inspected, applied sealant, reinstalled, and torqued fuel injection nozzles. Removed original mechanical rivet and installed AN screw, washer and self locking nut on aft baffle seal retainer. Removed, stop drilled crack, fabricated and installed riveted surface doubler type repair, and reinstalled right forward cooling baffle using original installation hardware. Stop drilled crack in left side of spinner baffle. Installed new alternate air valve housing. Unit installed omitting lower support per Cirrus Technical. Retorqued installation hardware on all valve rocker covers. Washed engine down using safety solvent. Removed and installed new Brackett induction air filter Part No. BA24. Post inspection engine ground run-up, operational and leak check satisfactory. <b>Continental Motors AD 2005-12-06 (impulse coupling)</b>, dated 07-19-2005-supersedes Bendix AD 96-12-07-does not apply to installed impulse coupling, however, Continental Motors Service Bulletin No. MSB645 is still recommended every 500 hours. Airworthiness Directives checked through Biweekly 2006-09. <b>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100-HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. END.</b></p> <p> L. John Wells A&amp;P 523116767 w/o: 23392 / 23393 / 23400</p>			



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	→				
8/19/06	330	5			Changed oil and Filter Champion CH48108-1 + serviced engine with 7 qts Aeroshell 15-50. Ground run leak check satisfactory. End. Tom Bush owner/pilot # 3076908



DATE: 10/25/06  
TAIL #: N828AB

#### EXECUTIVE AIR TRANSPORT, INC.

103 Sinclair Dr. - Muskegon, MI 49441

WO #: 06-04201

HOBBS: 382.6

TYPE: IO-550-N

S/N: 917661

1. Drained engine oil. Removed oil filter, and cut open old oil filter to check for contaminants with none found. Installed a new CH48108-1 filter, and serviced engine with Aeroshell 15W50 oil. Performed engine leak check and found satisfactory.

I certify that the above listed items have been completed per Cirrus Maintenance Manual.

*Craig Hansen*  
Craig Hansen  
AP 363048734

ENGINE MODEL: IO-550-N  
ENGINE S/N: 917661  
REG NO: 828AB  
WORK ORDER:  
8164-01-2007



#### Cirrus Design Factory Service Center

Repair Station No. YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone: 218-788-3101

DATE: 1/3/2007  
A/C TSN: 427.4  
ENG TT: 4274  
HOBBS: 427.4

#### Engine Entries

(5) Researched engine ADs through bi-weekly issue 2006-24, all ADs are in compliance at this time. (11) Drained engine oil and removed oil filter, cut open oil filter and performed particulate inspection, no discrepancies noted on inspection. Retained oil sample to be sent out for analysis. Installed new Champion oil filter P/N CH48108-1 and serviced engine with 8Qts of Aeroshell 15W50 oil, leak and operational check good. Work performed IAW cirrus mm chapter 12-10. (19) Removed both magnetos p/n 10-500556-1 s/n D05CA013, D05CA020 with 427.4 hrs TSN. Installed two each serviced magnetos p/n 10-500556-1 L/H s/n D05HA585 with 515.7 hrs TSN, R/H s/n D05DA054 with 462.7 hrs TSN IAW TCM manual #X30568A. Quality Aircraft accessories performed 500 hr internal inspection and TCM CSB641, MSB 644 & rotor (AD 94-01-03R2), and MSB 645 (AD2005-12-06) Reference FAA form 8130-3 dated 9/27/06 tracking # 35877, and 10/25/06 tracking # 36381. Ran engine on ground to perform operational and leak checks, results were satisfactory.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 1/3/2007

SIGNED:

Mike McGinn  
Certified Repair Station No. YD5R855Y

Work Order: 8164-01-2007

Printed by EBIS 3 (datamedia.com)

March 9, 2007  
N828AB  
S/N 1419  
HM: 447.2



Erie Municipal Airport  
395 Airport Drive  
Erie, CO 80516

Performed a 100hr inspection of engine for annual of N828AB in accordance with FAR 43 appdx D and a check list. Performed cylinder compression test #1 70/80 #2 71/80 #3 70/80 #4 70/80 #5 72/80 #6 72/80.

A list of AD's may be found in aircraft records. I certify this Engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

END

*Terril Shafer*  
Terril Shafer  
IA2860279



1. Approving National Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: QAA# <b>36381</b>	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) 5746 E. Apache, Bldg. A Tulsa, OK 74115				Phone: 1-877-833-6948 918-835-6948 Fax: 918-835-2804		5. Work Order/ Invoice Number: INV # <b>47593</b>	
6. Item	7. Description	8. Part/Number	9. Eligibility*	10. Qty	11. Serial/Batch Number	12. Status/Work	
<b>1</b>	<b>Magneto</b>	<b>10-500556-1</b>	(VARIOUS)	<b>1</b>	<b>D05HA585</b>	<b>repair</b>	
13. Remarks: <b>CSB 641 Condensor</b> <b>MSB 644 Coil + Rotor (AD 94-01-03R2)</b> <b>MSB 645 500 HR Impulse Inspection (AD 2005-12-06)</b> See Attached Work Order Summary for details. (2) pages (MECH: <b>KR</b> )							
14. 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 13			19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the item(s) is (are) approved for return to service.				
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature: <b>Justin R. Hicks</b>		21. Approval/Certificate No.: QYIR334Y	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): <b>Justin R. Hicks</b>		23. Date (m/d/y): <b>10-25-06</b>	

FAA Form 8130-3 (7-05)

\*Installer must cross check eligibility with applicable technical data.



1. Approving National Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: QAA# 35877	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) 5746 E. Apache, Bldg. A Tulsa, OK 74115				Phone: 1-877-833-6948 918-835-6948 Fax: 918-835-2804		5. Work Order/ Invoice Number: INV # 46658	
6. Item	7. Description	8. Part/Number	9. Eligibility*	10. Qty	11. Serial/Batch Number	12. Status/Work	
1	Magneto	10-500556-1	(VARIOUS)	1	D05DA054	repaired	
13. Remarks: CSB64 Condensor MSB644 Coil + Rotor (AD 94-01-03R2) MSB645 500 HR Impulse Inspection (AD 2005-12-06) See Attached Work Order Summary for details. (2) pages (MECH: h)							
14. 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 13				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that the item(s) is/are approved for return to service.			
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature: Justin R. Hicks		21. Approval/Certificate QYIR334*	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): Justin R. Hicks		23. Date (m/d/y): 09-27-0	

FAA Form 8130-3 (7-05)

\*Installer must cross check eligibility with applicable technical order




April 23, 2007  
N828AB  
S/N 1419  
HM: 482.3



Erie Municipal Airport  
395 Airport Drive  
Erie, CO 80516

Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new AA48108 oil filter. Run-up/leak check satisfactory.

END

  
Jonathan Carlisle  
AP3063926

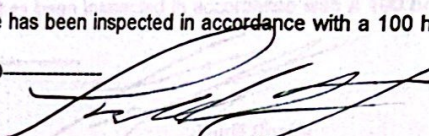
August 30 2007  
N828AB  
S/N 1419  
HM: 532.2



Erie Municipal Airport  
395 Airport Drive  
Erie, CO 80516

1. Performed a 100hr inspection of engine in accordance with FAR 43 appdx D and a check list.
  2. Performed cylinder compression test #1 70/80 #2 73/80 #3 71/80 #4 72/80 #5 69/80 #6 70/80.
  3. Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new CH48108-1 oil filter. Run-up/leak check satisfactory.
- A list of AD's may be found in aircraft records. I certify this Engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

END

  
Terrill Shafer  
IA2860279

September 21 2007  
N828AB  
S/N 1419  
HM: 579.9



Erie Municipal Airport  
395 Airport Drive  
Erie, CO 80516

Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new CH48108-1 oil filter. Run-up/leak check satisfactory.

END

William A Lange  
AP2712036

February 1, 2008  
N828AB  
S/N 1419  
HM: 631.9



Erie Municipal Airport  
395 Airport Drive  
Erie, CO 80516

1. Performed a 100hr inspection of engine for annual of N828AB in accordance with FAR 43 appdx D and a check list.
  2. Performed cylinder compression test #1 74/80 #2 69/80 #3 70/80 #4 66/80 #5 70/80 #6 68/80.
  3. Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new CH48108-1 oil filter. Run-up/leak check satisfactory.
- A list of AD's may be found in aircraft records. I certify this Engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition.

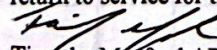
END

Terrill Shafer  
IA2860279



11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771  
Date: 4-23-08 Aircraft Reg 828AB Tach: 688.3

Drained and serviced engine with 7 qts. Aeroshell 15W-50, cut and inspected old oil filter, no defects noted. Installed new oil filter P/N CH48108-1. Run up/leak check, no defects. This engine is approved for return to service for the above accomplished work.

  
Timothy Medford AP2832738



May 27 2008  
N828AB  
S/N 1419  
HM: 732.6  
Eng TT: 732.6

Brough



Erie Municipal Airport  
395 Airport Drive  
Erie, CO 80516

1. Performed a 100hr inspection of engine in accordance with FAR 43 appdx D and a check list.
  2. Performed cylinder compression test #1 65/80 #2 70/80 #3 72/80 #4 63/80 #5 74/80 #6 72/80.
  3. Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new AA48108 oil filter. Run-up/leak check satisfactory.
  4. Re-torque oil sump bolts due to minor leakage.
- Checked magneto to engine timing, was o.k. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. 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

  
Jonathan Carlisle  
AP3063926

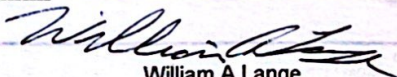
June 24 2008  
N828AB  
S/N 1419  
HM: 786.0  
Eng TT: 786.0



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 15w-50 oil and new AA48108 oil filter. Run-up/leak check satisfactory.

END

  
William A Lange  
AP2712036

July 23 2008  
N828AB  
S/N 1419  
HM: 830.5  
Eng TT: 830.5



Erie Municipal Airport  
395 Airport Drive  
Erie, CO 80516

Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new AA48108 oil filter. Run-up/leak check satisfactory.

END

  
Thad Hart  
AP2739120

July 23 2008  
N828AB  
S/N 1419  
HM: 830.5  
Eng TT: 830.5



Erie Municipal Airport  
395 Airport Drive  
Erie, CO 80516

1. Performed a 100hr inspection of engine in accordance with FAR 43 appdx D and a check list.
  2. Performed cylinder compression test #1 72/80 #2 71/80 #3 73/80 #4 69/80 #5 74/80 #6 72/80.
- Checked magneto to engine timing, was o.k. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. 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  
IA2860279

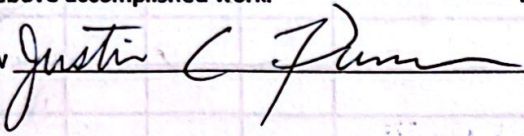


Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					



11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771  
 Date: 8-29-08 Aircraft Reg: N828AE Flight Hobbs: 881.1

Drained and serviced engine sump with 7 Qts Aeroshell 15w50 oil. Installed new oil filter P/N CH48108-1, cut and inspected old filter, no defects found. Run up/leak check ok at this time. This engine is approved for return to service of the above accomplished work. \_\_\_\_\_END\_\_\_\_\_

Justin C Parrow  A&P 3083586

October 17 2008  
 N828AB  
 S/N 1419  
 HM: 927.2  
 Eng TT: 927.2

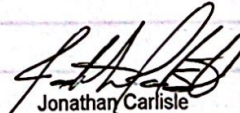


**VectorAir**  
 Aircraft Inspection & Repair

Erie Municipal Airport  
 395 Airport Drive  
 Erie, CO 80516

1. Performed a 100hr inspection of engine in accordance with FAR 43 appdx D and a check list.
2. Performed cylinder compression test #1 66/80 #2 70/80 #3 68/80 #4 62/80 #5 74/80 #6 68/80.
3. Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new AA48108 oil filter.

Checked magneto to engine timing, was o.k. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. 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\_\_\_\_\_

  
 Jonathan Carlisle  
 AP3063926

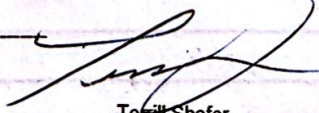
March 25 2009  
 N828AB  
 S/N 1419  
 HM: 976.5



**VectorAir**  
 Aircraft Inspection & Repair

Erie Municipal Airport  
 395 Airport Drive  
 Erie, CO 80516

Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new CH48108-1 oil filter. Run-up/leak check satisfactory. \_\_\_\_\_END\_\_\_\_\_

  
 Terrell Shafer  
 IA2860279

4-7-09	981.8	REMOVED & INSP. OIL FILTER. C/C COMP: 66-66-70-68-72-75/80. RUN UP & OK. NEW FILTER & ROLL A/P OIL WASH



Date

Total Time

Time Since  
Last Overhaul**Engine Service and Maintenance Record**

Installations, Inspections, Airworthiness Directives, Special Inspections,

Brought Forward

**BRUNGARD AVIATION** BOULDER, COLORADO**5-4-2009 1008.9 HOBBS N828AB ENGINE LOG ENTRY**REMOVE AND INSPECT OIL FILTER, INSTALL NEW FILTER, RUN UP LEAK  
CHECK OK. COMP CK; 70-66-72-68-74-68/80. SAMPLE ENGINE OIL.*Steve Hall*  
Steve Hall**Executive Air**  
maintenance

11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771

Date: 6-22-09

Aircraft Reg: N828AF

Flight Hobbs: 1028.4

**ENGINE**

Performed a 100 HR inspection in accordance with FAR part 43 App D and Cirrus service manual. Drained old oil and replaced oil filter with new CH48108-1 filter. Cut and inspected old filter, no defects found. Serviced sump with 7 qts of Aeroshell 15W50 oil. Compressions as follows #1 67 #2 69 #3 72 #4 64 #5 66 #6 72 all over 80 PSI. Mag timing checked ok. Cleaned, inspected, gapped and rotated all spark plugs. Cleaned and inspected fuel and oil screens as required. Cleaned engine compartment. Inspected exhaust system, no defects found at this time. Replaced #5 CHT probe with new P/N 14880-001. Installed new fuel injector kit P/N EQ7478. Dressed prop and painted back. Replaced blown out adel clamps on air induction tubes. Ground run/ops/leak check satisfactory at this time. I certify that this engine and propeller has been inspected in accordance with a 100 HR inspection and has been determined to be in airworthy condition for the above accomplished work and is approved for return to service.-----END-----

Justin C Parrow

*Justin C Parrow*

A&amp;P 3083586

**Executive Air**  
maintenance

11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771

Date: 7-28-09

Aircraft Reg: N828AB

Flight Hobbs: 1079.1

Drained and serviced engine sump with 7 Qts Aeroshell 15w50 oil. Installed, torque and safetied new oil filter P/N CH48108-1, cut and inspected old filter, no defects found. Run up/leak check ok at this time. This engine is approved for return to service of the above accomplished work. -----END-----

Justin C Parrow

*Justin C Parrow*

A&amp;P 3083586



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



11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771  
 Date: 8-14-09 Aircraft Reg: N828AI Flight Hobbs: 1108.8

Removed and replaced #3 EGT probe with new probe P/N 14554-001. Ground run and operational check satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.-----END-----

Justin C Parrow Justin C Parrow A&P 3083586



11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771  
 Date: 9-3-09 Aircraft Reg: N828AI Flight Hobbs: 1124.3  
**POWERPLANT**

Performed an annual inspection in accordance with FAR 43 App D and cirrus SR-20 maintenance manual. Drained oil and replaced oil filter with new CH48108-1 filter. Cut old filter and no defects found. Serviced engine sump with 7 QTS Aeroshell 15w50 engine oil. Compression test as follows #1 72 #2 68 #3 70 #4 74 #5 76 #6 71 all over 80 PSI. Cleaned, inspected, gapped, tested and rotated all spark plugs. Cleaned and inspected fuel and oil screens as required. C/W 500 HR mag inspection, replaced points in left and right mag with new P/N 10-382854 points. Inspected exhaust and intake system for leaks and cracks. None noted. Ground run, ops leak check and test flight satisfactory at this time. I certify that this powerplant has been inspected in accordance with an annual inspection and have been determined to be in airworthy condition. This aircraft is approved for return to service for the above accomplished work. -----END----- I A 520995692

Steve Bush Steve Bush



11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771  
 Date: 3-30-10 Aircraft Reg: N828AB Flight Hobbs: 1174.0

Drained and serviced engine sump with 7 Qts Aeroshell 15w50 oil. Installed torqued and safetied new oil filter P/N CH48108-1. Cut and inspected old filter, no defects found. Run up/leak check ok at this time. This engine is approved for return to service of the above accomplished work. -----END-----

Justin C Parrow Justin C Parrow A&P 3083586



Date Total Time Time Since Last Overhaul

# Engine Service and Maintenance Record

ctions,



Broug

11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771

Date: 7-7-10

Aircraft Reg 828AB

Tach: 1221.7

Engine

Performed 100 HR inspection of Engine/Propeller IAW FAR43 appendix D and Cirrus maintenance checklist. Compressions as follows #1 76/80, #2 76/80, #3 74/80, #4 75/80, #5 70/80, #6 76/80. Drained and serviced engine with 7 Qts Aeroshell 15W-50, Replaced oil filter P/N CH48108-1, cut and inspected old filter, no defects. Cleaned, gapped and tested all spark plugs, no defects. Cleaned fuel strainer, no defects. Run up/ leak check, no defects. I certify that this engine/propeller has been inspected IAW a 100 HR inspection and has been determined to be in an airworthy condition. -----END-----

Christian J. Anderson Jr.

AP 3504092



11915 Airport Way, Suite 1, Broomfield, CO 80021 303-466-3771

Date: 9-7-10

ACFT Reg: N828AB

Flight Hobbs: 1273.0

Drained and serviced engine oil sump with 7 qts. Aeroshell 15W-50, cut and inspected old oil filter, no defects noted. Installed new oil filter P/N CH48108-1. Replaced Alternator #2 drive adapter seal P/N 25102, re-installed with new gasket P/N 654012. Run up/leak check, no defects. All work done in accordance with TCM 550 maintenance manual. This engine is approved for return to service for the above accomplished work. ---END---

Timothy Medford

AP2832738



11915 Airport Way unit 1 Broomfield CO 303-466-3771

Date 10/08/2010

A/C Reg.

N828AB

Flt Hobbs

Tach 1301.3

ENGINE

TSMOH

ACTT 1301.3

100 hour/Annual inspection completed in accordance with FAR 43, Appendix D and Cirrus check list. Compressions check #167/80, #2 65/80, #3 67/80, #4 68/80, #5 69/80, #6 70/80. Changed oil and filter, filled sump with 7qts Aeroshell 15W50. Checked engine/magneto timing. Replaced heat exchanger, (14837-001) and muffler assembly (14836-001). Cleaned, gapped and rotated spark plugs. Replaced induction air filter. Run up check was satisfactory. -----END----- I certify that this engine was inspected in accordance with an Annual inspection and was determined to be in an airworthy condition and is approved for return to service.

Ben L Watkins

A&P3402297IA



1. Approving National Aviation Authority/Country: 2.

3. Form Tracking Number: 915966

4. ORGANIZATION: Cessna Aircraft Company  
5800 E Pawnee, Wichita, KS 67218

5. Work Order/Contract/Invoice Number: 479064

6. Item: 7. Description: 8. Part Number: 9. Eligibility: 10. Quantity: 11. Serial/Batch Number: 12. Status/Work:

2 | SEAL 25102

U3

1 3Q04

New

13. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.

U3

PO# 7294

14. Certifies the items identified above were manufactured in conformity to:

19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13

☒ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 13.

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.

15. Signature: *Billy G. Prichard*

16. Approval/Certification No.: 100129CE

20. Authorized Signature:

21. Approval/Certificate No.:

17. Name (Typed or Printed): BILLY G. PRICHARD, ODARF

18. Date (m/d/y): 02/01/2005

22. Name (Typed or Printed):

23. Date (m/d/y):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 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.





Rocky Mountain Aircraft Services  
10900 W120th Ave Hanger B-5 Broomfield CO, 80021

Date: 11-24-2010

Aircraft Reg: ~~N508ED~~ 8237AB

Flight Tach: 1342.1

ENGINE

Record

Sections,

Brought Forward

SMOH: 1342.1

Installed E-Z Heat engine oil preheater number 441 on aircraft sump. Routed plug and wires free of all moving parts and safely secured as required. Operational and post inspection is satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.-----END-----

Justin C Parrow

*Justin C Parrow*

A&P 3083586



Rocky Mountain Aircraft Services  
11915 Airport Way Suite 4 Broomfield CO, 80021

Date: 12-15-2010

Aircraft Reg: N828AB

Flight Tach: 1351.3

ENGINE

SMOH: 1351.3

Drained engine oil and serviced sump with 7 Qts new Aeroshell 15W50 engine oil. Removed oil filter and cut for inspection, no contaminants were found at this time. Installed, torqued and safetied new 48108-2 tempest oil filter. Ground run/ops/leak check are all satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.-----END-----

Justin C Parrow

*Justin C Parrow*

A&P 3083586



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 6-9-2011

Acft Reg: N828AB

Flight Tach: 1403.4

TTSN: 1403.4

ENGINE

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 73 #2 65 #3 74 #4 68 #5 66 #6 66 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Cleaned fuel and oil screens as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Repositioned right exhaust shroud. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

*Justin C Parrow*

A&P3083586IA





ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 8-26-2011  
Acft Reg: N828AB  
Flight Tach: 1444.7  
TTSN: 1444.7  
ENGINE

Special Inspections, **Engine Records**

Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Ground run and operational check is satisfactory at this time. This aircraft is approved for the return to service for the above accomplished work.

-----END-----

Justin C Parrow

A&P 3083586



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 10-21-2011  
Acft Reg: N828AB  
Flight Tach: 1505.1  
TTSN: 1505.1  
ENGINE

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Took oil analysis sample and sent out for testing. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 73 #2 71 #3 9 #4 70 #5 70 #6 73 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Replaced #1 EGT probe P/N 14554-001. Removed #3 cylinder and sent out for overhaul. Reinstalled overhauled cylinder and torqued in accordance with torque values found in Teledyne Continental Service Bulletin SB96-7C. Removed and replaced all fuel injector with new injector kit P/N EQ7478. Torqued all injectors to 55 inch lbs. Cleaned fuel and oil screens as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time. -----END-----

Justin C Parrow

A&P3083586IA



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 11-28-2011  
Acft Reg: N828AB  
Flight Tach: 1553.3  
TTSN: 1553.3  
ENGINE

Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Ground run and operational check is satisfactory at this time. This aircraft is approved for the return to service for the above accomplished work.

-----END-----

Justin C Parrow

A&P 3083586



CYLINDER

Item \_\_\_\_\_

Make and Model Teledyne Cont. IO-550

Customer Rocky Mountain Aircraft Service

Part No. 655474A19 Ser. No. 4252

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.

Date 10-19-11 Signed A&P2689458

SERVICEABLE





ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 4-8-2012  
Acft Reg: N828AB  
Flight Tach: 1605.3  
TTSN: 1605.3  
ENGINE

Record  
Inspections,

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Took oil analysis sample and sent out for testing. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 63 #2 73 #3 79 #4 69 #5 75 #6 70 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Replaced left and right Magneto's with overhaul exchange magnetos P/N 10-500556-1. Timed Mags to engine and torqued as required. Cleaned fuel and oil screens as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&P30835861A



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 8-1-2012  
Acft Reg: N828AB  
Flight Tach: 1637.6  
TTSN: 1637.6  
ENGINE

Removed and replaced all flexible fuel hoses with (1) each of the following. 124F003-4CR0105, 124F001-4CR0070, 124F002-4CR0140, 156F001-6D0080, 156F001-8D0144 hoses. Tightened all hose B nuts and torque striped for security purposes. Replaced fuel gascolator filter with new P/N 50908-001 filter. Serviced aircraft sump with 2 qts Aeroshell 15W50 engine oil to bring sump to 6 qts oil. Ground run, operational and test flight are all satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.---END---

Justin C Parrow

A&P30835861A



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 1-9-2013  
Acft Reg: N828AB  
Flight Tach: 1680.3  
TTSN: 1680.3  
ENGINE

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 71 #2 70 #3 78 #4 66 #5 76 #6 71 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Cleaned fuel and oil screens as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&P30835861A



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 →					



**ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC**

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 5-11-2013  
Acft Reg: N828AB  
Flight Tach: 1723.6  
TTSN: 1723.6  
**ENGINE**

Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108 oil filter. Ground run and operational check is satisfactory at this time. This aircraft is approved for the return to service for the above accomplished work. -----END-----

Justin C Parrow

A&P3083586

Engine

N828AB  
Model: IO-550-N  
S/N: 917661  
Date: 5 June 2013



Hobbs Time: 1727.4  
Total Time:  
Cycles:  
Work Order: S-13-00162

Removed cleaned, gapped and reinstalled all spark plugs.  
Cleaned ignition leads and checked with high tension lead checker, OK.  
Accomplished all required operational and functional checks with satisfactory results. Ground

The Engine 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 under the above work order.

Signed

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMR171C



**ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC**

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 8-10-2013  
Acft Reg: N828AB  
Flight Tach: 1776.8  
TTSN: 1776.8  
**ENGINE**

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 67 #2 70 #3 78 #4 68 #5 73 #6 68 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Cleaned fuel and oil screens as required. Replaced fuel strainer seals per 5 years replacement. Next due August 2018. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&P3083586IA



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



**ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC**

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 11-09-2013  
Acft Reg: N828AB  
Flight Tach: 1832.9  
TTSN: 1832.9  
**ENGINE**

Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Ground run and operational check is satisfactory at this time. This aircraft is approved for the return to service for the above accomplished work.

-----END-----

Justin C Parrow

A&P 3083586

Engine

N828AB  
Model: IO-550-N  
S/N: 917661  
Date: 8 January 2014



Hobbs Time: 1849.9  
Total Time:  
Work Order: S-14-00387

Removed cleaned, gapped and reinstalled all spark plugs.  
Removed, cleaned and reinstalled fuel injectors with new gaskets P/N X1472 and o-rings P/N 630979-9 per TCM IO-550-N maintenance and overhaul manual.  
Re-crimped throttle cable guide tube cover.  
Accomplished all required operational and functional checks with satisfactory results. Ground

The Engine 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 under the above work order.

Signed

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C



**ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC**

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 3-6-2014  
Acft Reg: N828AB  
Flight Tach: 1872.8  
TTSN: 1872.8  
**ENGINE**

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 70 #2 64 #3 79 #4 62 #5 72 #6 60 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Cleaned fuel and oil screens as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&P3083586IA



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	→				



Air Associates of Kansas

828AB

March 13, 2014 Tach 1878.8

Replaced all sparkplugs RHB32E. Ops check OK. All work done in accordance with Cirrus Maintenance Manual.

Raydel Acosta 3202782 A&P



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 5-17-2014  
Acft Reg: N828AB  
Flight Tach: 1925.3  
ENGINE

Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Ground run/ops/leak check is satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.---END---

Justin C Parrow

A&P3083586



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 8-7-2014  
Acft Reg: N828AB  
Flight Tach: 1975.2  
TTSN: 1975.2  
ENGINE

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 7 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 68 #2 60 #3 76 #4 63 #5 66 #6 69 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Replaced #4 CHT Probe with new P/N 14880-001 probe. Replaced #2 alternator gasket with new 653487 gasket. Cleaned fuel and oil screens as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&P3083586IA



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

## Engine Service and Maintenance Record

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

Bro

### ARAPAHOE AERO

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

N828AB Continental IO-550-N(27) S/N: 917661 Engine Total Time: 2058.0

04 February 2015 Hobbs Meter: 2058.0

Serviced engine with 7 quarts Shell 15W50. Installed new oil filter. Old filter inspected. No ferrous contaminants noted. Oil sample taken and submitted. Lubricated throttle, governor and mixture controls as needed. Torqued and safetied propeller governor control rod end hardware. Ground run operational and leak check satisfactory.

L. John Wells A&P 3221132

w/o 34975



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 3-2-2015

Acft Reg: N828AB

Flight Tach: 2075.6

TTSN: 2075.6

ENGINE

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 71 #2 65 #3 77 #4 69 #5 70 #6 73 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Cleaned fuel and oil screens as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&P3083586IA



Date

Total Time

Time Since  
Last Overhaul

Hrs.

Min.

Hrs.

Min.

**Engine Service**Installations, Inspections, Airworthiness Directives,  
Modifications and Service Bulletins

Brought Forward →



N828AB Engine  
Cirrus SR-22  
S/N-1419

August 19, 2015  
Hobbs Time: 2134.1

Removed oil filter and drained engine oil. Collected oil SOAP sample. Cut apart filter to check for metal. No abnormal metal noted. Installed new filter P/N CH48108-1 and serviced engine with 8 quarts Aeroshell 15W-50 oil. Removed, cleaned, gapped and tested #1 and #5 top and bottom spark plugs. Reinstalled with new gaskets. Operational and leak checks satisfactory.

Brook Westcott A&P3689890 

**R M A S**

ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12ABroomfield CO, 80021

Date: 10-9-2015  
Acft Reg: N828AB  
Flight Tach: 2143.0  
TTSN: 2143.0  
ENGINE

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 70 #2 68 #3 72 #4 72 #5 75 #6 71 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Cleaned fuel and oil screens as required. Resealed gascolator with new seals. Installed new left and right S6RSC-25 Magnetos with new gaskets and timing to 22 degrees BTC. Replaced alternator air flapper with new P/N 15710-002 flapper assembly including (2) new bushings and bolt as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&amp;P3083586IA



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

N828AB  
 Model: IO-500N  
 S/N: 917661  
 Date: 12 November 2015



Hobbs Time: 2152.5  
 Total Time: 2152.5  
 Work Order: S-15-00323

Removed and replaced #6 cylinder CHT probe P/N 14880-001 in accordance with Cirrus SR22 AMM 77-20.  
 Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

The Engine 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 under the above work order.

Signed [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C



**ROCKY MOUNTAIN**  
**AIRCRAFT SERVICES LLC**  
 11750 Airport Way Hanger B-12A  
 Broomfield CO, 80021

Date: 12-22-2015  
 Acft Reg: N828AB  
 Flight Tach: 2156.0  
 TTSN: 2156.0  
**ENGINE**

Removed Continental IO-550-N27 S/N 917661 for overhaul. ---END---

Justin C Parrow [Signature] A&P 3083586




**WESTERN**  
**Skyways**  
 INC.

**GOLD SEAL AIRCRAFT ENGINES**

 21 Creative Place  
 Montrose, CO 81401  
 www.westernskyways.com

 (800) 575-8829  
 (970) 249-0232  
 FAX : (970) 249-4155

Engine Make: CONTINENTAL Model: IO-550-N  
 Serial Number: 917661 W/O No: W052106 Date: 02/09/16  
 Warranty Number: B16033 3 YR WARR Warranty Start Date: 02/16  
 Crankshaft Serial No: N05AA119 Cylinder Part Number: CMI 658595A2BP NEW

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: M-16 and Western Skyways, Inc. Repair Specification WSI-100 "Use and Application of Hylomar Sealant" dated 11/10/2010 on all Teledyne Continental Motor Engines and Lycoming Engines as applicable. See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 2156.0 Hrs.

This engine meets requirements of CONTINENTAL SIL-98E for 2000.0 Hour TBO

The accessories listed below were New or Overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag:	BL-500556-1	D15LA099R	Vac Pump:	N/A	N/A
R/H Mag:	BL-500556-1	D15LA101R	Wastegate:	N/A	N/A
Fuel Pump:	R-655921-4A3	B15IA039R	Alt/Gen:	N/A	N/A
Inj/Carb:	R-653353-3	A15IA027R	Press Rel Val.:	N/A	N/A
Man Valve:	R-64633-6A2	C15IA024R	Pop Off.:	N/A	N/A
Starter:	C24ST3	4C3-491506	VAPC:	N/A	N/A
Turbo :	N/A	N/A	Controller:	N/A	N/A
			Prop Governor:	N/A	N/A

### MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature:

Repair Station No. WS9R575J

Form 200

Cylinder S/N	Cylinder S/N
#1: AC15JB140	#5: AC15JA515
#2: AC15JB094	#6: AC15JA512
#3: AC15JB091	#7: N/A
#4: AC15JA863	#8: N/A



DATE

TACH OR  
RECORDING  
METER  
TIME

# DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Page 1 of 1

## AD NOTES COMPLIANCE RECORD

Engine - Continental Motors - IO-550-N

S/N: 917661

Western Skyways, Inc.

CRS # WS9R57J

W/O# W052106

Appliance - Magnetos - TCM (formerly Bendix) S-20 series

S/N: D15LA099R,  
D15LA101R

P/N: BL-500556-1

Model # S6RSC-25

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
74-28-09	Bendix magnetos	2/9/16 2156.0	N/A per magneto model number.	X			Larry Flatten CRS# WS9R575J
82-20-01	Bendix magnetos	2/9/16 2156.0	N/A per magneto model number.	X			Larry Flatten CRS# WS9R575J
88-03-06	Oil filter	2/9/16 2156.0	Installed oil filter P/N: AA48108-2.	X			Larry Flatten CRS# WS9R575J
91-19-03	Champion oil filter	2/9/16 2156.0	Installed oil filter P/N: AA48108-2.	X			Larry Flatten CRS# WS9R575J
93-06-17	Incorrect oil pick-up tube	2/9/16 2156.0	N/A per engine model.	X			Larry Flatten CRS# WS9R575J
93-10-02	Cylinder valve retainer	2/9/16 2156.0	N/A, installed factory new cylinders.	X			Larry Flatten CRS# WS9R575J
94-01-03 R2	Teledyne/Bendix magnetos	2/9/16 2156.0	N/A per magneto serial number.	X			Larry Flatten CRS# WS9R575J
94-06-09	Teledyne/Bendix magnetos	2/9/16 2156.0	N/A per magneto serial number.	X			Larry Flatten CRS# WS9R575J
99-19-01	Crankshaft failure	2/9/16 2156.0	N/A per crankshaft S/N: N05AA119.	X			Larry Flatten CRS# WS9R575J
2000-23-21	Fracture of the crankshaft connecting rod journal	2/9/16 2156.0	N/A per crankshaft S/N: N05AA119.	X			Larry Flatten CRS# WS9R575J
2004-08-10	Prevent loss of engine power	2/9/16 2156.0	Installed factory new cylinders.	X			Larry Flatten CRS# WS9R575J
2007-16-10	To prevent the turbine rotor from separating from the shaft of the turbocharger due to a machining defect in the turbocharger compressor	2/9/16 2156.0	N/A, turbo not supplied with engine.	X			Larry Flatten CRS# WS9R575J
2010-11-04	To prevent excessive hydraulic lifter wear	2/9/16 2156.0	Installed overhauled lifters P/N: 658088 and 658077.	X			Larry Flatten CRS# WS9R575J
2012-03-06	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	2/9/16 2156.0	N/A, fuel injection servo not used on this engine.	X			Larry Flatten CRS# WS9R575J
2012-10-13	To prevent starter adapter gear shaft failure	2/9/16 2156.0	N/A per starter adapter P/N: 642083.	X			Larry Flatten CRS# WS9R575J
2014-05-29	Superior Air Parts Investment Cast Cylinder Assemblies	2/9/16 2156.0	N/A per cylinder manufacture.	X			Larry Flatten CRS# WS9R575J





ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 2-26-2016  
Acft Reg: N828AB  
Flight Tach: 2156.3  
TSMOH: 0.00  
ENGINE

Page No. \_\_\_\_\_

3K

Installed this IO-550-N engine S/N 917661 on this aircraft N828AB following major overhaul performed by Western Skyways INC under work order number WO52106. Installed engine using (6) new Barry mounts P/N 69301-01. Installation of engine was completed using Cirrus SR22 AMM Chapter 71 as a guide using all torques and installation procedures as described. Torqued throttle and mixture control arms per tagged requirements. Set cushion and checked throw for mixture, throttle and propeller control for proper operation. Installed new P/N 14837-001 and P/N 14836-001 heat exchanger and exhaust using new hardware. Installed new EZ-441 sump heater. Serviced engine with 8 quarts of Aeroshell W100 mineral oil. Ground run/operational/leak check is all satisfactory at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&P3083586IA



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 03/07/2016  
Acft Reg: N828AB  
Flight Tach: 2162.3  
Engine

Drained oil and serviced sump with 8 Qts of Aeroshell 100 mineral oil. Removed oil filter and installed, torqued and safetied new oil filter P/N 48108. Ground run/ops/leak check satisfactory at this time.

Clinton Cook

A&P 3574567



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 3-29-2016  
Acft Reg: N828AB  
Flight Tach: 2174.5  
ACTT: 2174.5  
AIRFRAME

Replaced #4 and #5 EGT Probes P/N 14554-001. Operational check of all systems are satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.---END---

Justin C Parrow

A&P 3083586



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 4-28-2016  
Acft Reg: N828AB  
Flight Tach: 2189.1  
ENGINE

Drained oil (Sample Taken) and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Ground run/ops/leak check is satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.---END---

Justin C Parrow

A&P3083586



**RMAAS**

Acft Reg: N828AB

Flight Tach: 2243.4

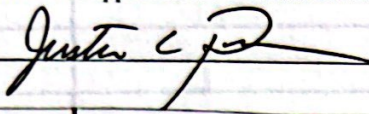
ENGINE

WORK

D **ROCKY MOUNTAIN**  
**AIRCRAFT SERVICES LLC**11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Ground run/ops/leak check is satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.---END---

Justin C Parrow



A&amp;P3083586

**RMAAS****ROCKY MOUNTAIN**  
**AIRCRAFT SERVICES LLC**11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 10/26/2008

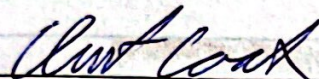
Acft Reg: N828AB

Flight Tach: 2308.4

Engine

Drained oil and serviced sump with 7Qts Aeroshell 15W-50. Removed oil filter and cut for inspection. No contaminants noted at this time. Installed torqued and safetied new oil filter P/N 48108. Run up/ops/leak check is satisfactory at this time.

Clinton Cook



A&amp;P 3574567

**RMAAS****ROCKY MOUNTAIN**  
**AIRCRAFT SERVICES LLC**11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 1/20/2017

Acft Reg: N828AB

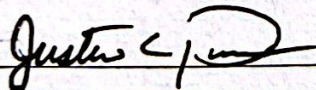
Flight Tach: 2360.1

SMOH: 203.8

ENGINE

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 71 #2 65 #3 77 #4 69 #5 70 #6 73 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Replaced #6 CHT probe P/N 14880-001 with new. Replaced #1, #3 and #6 EGT probes with new P/N 14554-001 probes. Removed #6 fuel injector and cleaned, reinstalled and torqued. Cleaned fuel and oil screens as required. Inspected exhaust and intake for leaks, cracks or other defects. None noted at this time. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow



A&amp;P3083586IA

**RMAAS****ROCKY MOUNTAIN**  
**AIRCRAFT SERVICES LLC**11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 4/12/2017

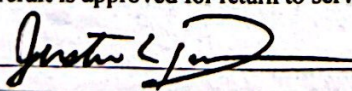
Acft Reg: N828AB

Flight Tach: 2398.2

ENGINE

Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Ground run/ops/leak check is satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.---END---

Justin C Parrow



A&amp;P3083586





ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 8/3/2017  
Acft Reg: N828AB  
Flight Tach: 2439.9  
ENGINE

Page No. \_\_\_\_\_

D -  
3MING WORK

Drained engine oil and serviced sump with 8 Qts new Aeroshell 15W50 engine oil. Removed oil filter and cut for inspection, no contaminants were found at this time. Installed, torqued and safetied new 48108 tempest oil filter. Ground run/ops/leak check are all satisfactory at this time. This aircraft is approved for return to service for the above accomplished work. -----END-----

Justin C Parrow

A&P3083586



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 10/25/2017  
Acft Reg: N828AB  
Flight Tach: 2487.3  
*Airframe Engine*

Drained oil and serviced sump with 8 Qts Aeroshell 15w-50 oil. Removed oil filter and cut for inspection. No defects noted at this time. Installed torqued and safetied new oil filter P/N 48108. Run up/ops/leak check is satisfactory at this time.

Clinton Cook

A&P 3574567



ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 3/6/2018  
Acft Reg: N828AB  
Flight Tach: 2545.5  
SMOH: 389.1  
ENGINE

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 8 qts aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 68 #2 71 #3 72 #4 69 #5 74 #6 72 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Replaced #1 CHT probe P/N 14880-001 with new. Replaced #5 EGT probe with new P/N 14554-001 probes. Cleaned fuel and oil screens as required. Replaced starter with new P/N C24ST5 with new. Removed #5 exhaust riser and sent out to Aerospace Welding and had repaired under work order # 179428 (See form 8130 for details) Reinstalled after repair. Retorqued all valve covers. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END-----

Justin C Parrow

A&P3083586IA





ROCKY MOUNTAIN  
AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 4/22/2019

Acft Reg: N828AB

Flight Tach: 2660.2

SMOH: 503.8

ENGINE

ORK

Performed an Annual inspection in accordance with FAR 43 App (D) and Cirrus checklist. Drained oil and serviced sump with 8 qts Phillips XC20W50. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Compressions as follows #1 60 #2 68 #3 70 #4 70 #5 78 #6 72 all over 80 PSI. Removed, cleaned, gapped, tested and reinstalled all spark plugs to 32.5 FT lbs torque using (12) new M674 gaskets. Replaced all (12) valve cover gaskets with new RG-632459 gaskets. Removed magnetos and inspected for 500 HR inspection. Replaced points in left and right magnetos with new 10-382584 points. Reinstalled with new gaskets and timed to engine as required. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this engine has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition and is approved for return to service at this time. -----END-----

Justin C Parrow

A&P30835861A



600 Hal Rogers Dr.

London, Ky 40744

N828AB

Engine Log

Cirrus

S/N 1419

Tach 3710.3

07/26/2019. Drained oil and replaced with 8 quarts of Phillips 15W50. Installed new 48108-2 oil filter. Torqued, then safetywired in place. Oil filter cut open, no metal found. AD 2015-19-07 complied with due next oil change.

Aircraft returned to service.

Peter T Ayers A&P 3561951 IA



Thoroughbred Aviation Maintenance, Inc.

Engine Log

Date: 10/24/2019

AC: N828AB

AFTT: 2730.6

Type: Cirrus SR22

AC SN: 1419

WO: 193287

Hobbs: 2730.6

1. Ran aircraft to operating temperature. Removed top plugs for compressions. Compressions as follows 1-65 2-70 3-70 4-71 5-72 6-76. M.O.= 44/80. Installed plugs with new gaskets P/N: M-674 and torqued.
2. Removed oil filter and cut open. No defects noted at this time. Installed new filter P/N: CH48108-1. Torqued and safetied.
3. Removed and replaced oil cap gaskets with new gaskets P/N: 642892. Seals securely.
4. Removed and replaced LH magneto gasket with new gasket P/N: 649954. Installed magneto and timed IAW data plate. Post runup showed magneto drops within limits. Leak check good.
5. Installed red RTV between intake scat tube and front baffle. Ops check good.
6. Secured oil pressure transducer and torqued. Leak check good.
7. Serviced aircraft with 2 qts of Aeroshell 15W50 to replenish oil lost.

End

#### MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. "Pertinent" details of the repair are on file at this agency under Work Order: 193287

Date: 10/24/2019

Signed: James Bailey

CRS: R814199Y



DATE

TACH OR  
RECORDING  
METER  
TIMEDESCRIPTION OF WORK PERFORMED –  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Genesis Aero  
301 Toledo Trail  
Georgetown, TX 78268  
512.931.0330

Make: Cirrus  
Model: SR22  
S/N: 1419  
Reg. No.: N828AB

Date: 01-Jul-20  
Hobbs:  
Tach: 2754.7

## Engine Log

P/N: IO-550-N S/N: 917661 TTSOH: 598.3

Completed a 100 HR inspection this date in Ref to Cirrus SR22 AMM 5-20... Inspected engine, timed magneto's, and tested ignition leads... Compressions (#1) 58, (#2) 68, (#3) 70, (#4) 70, (#5) 72, (#6) 74 over 80... Cleaned, inspected, and gapped spark plugs... Checked A.D's through BW 2020-13; no new A.D's at this time... Drained oil and serviced with 7 qtrs. of AeroShell W100 Plus... Removed and replaced oil filter with AA-48108-2... Inspected oil filter NDN... Next inspection due at Tach time of 2854.7...

The engine identified above was inspected in accordance with current 14 CFR Part 91.409 (b) for 100 hour inspection and is approved for return to service with respect to the work performed.

George Atilano A&amp;P 3934875:

Date: 18 June 2020.

Engine

DATE: 5/28/2021 REGISTRATION: N828AB

MAKE: Continental MODEL: IO-550-N SERIAL#: 917661 Tach: 2770.4

Removed engine due to Prop Strike. Sent out to Columbia Aircraft Services for inspection and Repair. Engine was inspected and repaired by Columbia Aircraft Services (see Work Order # 28710 for details) which included a crankshaft replacement using Crank S/N N01AA304. ADs have been checked by Columbia Aircraft Services and a log has been compiled. Installed engine in combination with the Hartzell PHC-J3YF-1RF/F7693DFB (assembly S/N FP9747B) onto the airframe of Cirrus SR22 S/N 1419. Installed engine isolators with all new hardware and torque in accordance with Continental IO-550 Maintenance Manual M-16 and Cirrus SR22 Maintenance Manual. Installed Propeller in accordance with the Hartzell Owners Manual No.: 115N Rev. 24. Installed all wire harnesses and connected all fuel lines. Rigged engine controls. Filled with 8 Quarts of Aeroshell 100. Performed ground run up, good. No leaks found. Return to service. End.

Mechanic Darit Emmanuel Him

Certificate # A&amp;P 4012761

Signature:



Make: TCM  
Model: IO-550-N (43B) 1501 Narcissa Road Blue Bell, Pa 19422 (215) 646-0400  
S/N: 1011028

Date: 07/02/2021  
N828AB  
Hobbs: 2787.0

## Engine Entry:

Performed fuel flow setup. Adjusted high end and low end fuel flow. Operational and leak check good. Details of this work are on file at this facility under work order #LWO-14335. END.

Joseph DiSipio  
A&P39536851A



TACH OR  
RECORDING  
METER  
TIME

DESCRIPTION OF WORK PERFORMED -  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



CM  
O-550-N (43B) 1501 Narcissa Road Blue Bell, Pa 19422 (215) 646-0400  
1028

Date: 06/23/2021  
N828AB  
Hobbs: 2787.0

Engine Entry:

Removed and Replaced Starter with New Unit P/N: ES646275-1 S/N: H-V021580. Operational and leak check good. Details of this inspection are on file at this facility under work order #LWO-12813. END.

Joseph DiSipio  
A&P39536851A



Make: TCM  
Model: IO-550-N (27) 1501 Narcissa Road Blue Bell, Pa 19422 (215) 646-0400  
S/N: 917661

Date: 07/02/2021  
N828AB  
Hobbs: 2803.5

Engine Entry:

Drained and sampled the oil - oil sample was sent to Blackstone. Removed and inspected the oil filter, no unusual debris found at this time. Installed a new CH48108-1 oil filter. Serviced the engine with 8 quarts of Phillips 20w-50 engine oil. Cleaned cylinder #6 fuel injector. Ground run up and leak check good. Operational and leak check good. Details of this work are on file at this facility under work order #LWO-14450. END.

Joseph DiSipio  
A&P39536851A



Make: TCM  
Model: IO-550-N (27) 1501 Narcissa Road Blue Bell, Pa 19422 (215) 646-0400  
S/N: 917661

Date: 07/16/2021  
N828AB  
Hobbs: 2797.6

Engine Entry:

Performed borescope inspection on cylinder #4. Bent engine mount tabs. Replaced cylinders #3, #4 EGT probes. CW SB2X-28-15 Alternate Electric Fuel Pump Installation. Corrected governor control cable orientation and washer stack up. Cleaned all fuel injectors. Performed engine full power run up, operational check and leak check good. Details of this work are on file at this facility under work order #LWO-14414. END.

Joseph DiSipio  
A&P39536851A



DATE

Make: TCM

Model: IO-550-N (27)

S/N: 917661

1501 Narcissa Road Blue Bell, Pa 19422 (215) 646-0400



Date: 01/13/2022

N828AB

Hobbs: 2809.0

TSMOH: 652.7

age No. \_\_\_\_\_

**Engine Entry:**

Performed an Annual Inspection IAW FAR 43 Appendix D, using Cirrus MM Chapter 5-20 as a guide. Performed a compression test with results as follows: 1-70/80, 2-69/80, 3-72/80, 4-69/80, 5-70/80, 6-70/80. Master orifice reading: 44/80. No applicable AD's at this time. Replaced all spark plugs. Megged the ignition harness. Cleaned all fuel injectors and drains. Lubricated all engine controls. Retorqued the RBC screws. Adjusted the magneto timing. Replaced the crankshaft seal. Adjusted the throttle control cable length to hit stop. Replaced the garloc seal at #2 alternator. Ground run-up and leak check good. Details of this inspection are on file at this facility under work order #LWO-14464. END.

I certify that this ENGINE has been inspected IAW an Annual inspection and was determined to be in airworthy condition.

Ryan McGee  
A&P3786795IA

wo: WO\_191

Engine Annual - page 1 of 1



Steel Aviation - 53 North Street Ext - Phillipsburg, Ohio 45354 - 937 332 7587

N828AB

Continental, IO-550-N, S/N: 917661

April 14, 2023

TACH: 2948.2

1. C/W Annual Inspection in accordance with FAR 43 Appendix D using Cirrus AMM as a guide.
2. Drained oil and serviced. Installed (8) P/N Phillips X/C 20W50 - Oil, Installed P/N AA48109 - Oil Filter.
3. Removed and cut open oil filter. No defects noted at this time.
4. Checked Compressions: #1:78, #3:78, #5:76, #2:76, #4:76, #6:76 MO:42.
5. Checked Magneto timing.
6. Removed and replaced Induction air filter Installed P/N 50207-200 - Brackett Replacement Filter Element, BA-24.
7. Removed gascolator and inspected. Installed with new O-ring. Installed P/N MS29513-137 - O-Ring.
8. R/R Alt #2 Garlock seal and accessory case gasket with new seal. Torqued to 70 in/lbs per B/C Instructions for Continued Airworthiness. R/R ALT #2 with overhauled B/C Alternator. Installed P/N 25102 - ALT 2 GARLOCK SEAL, Installed P/N 653487 - GASKET, TCM REAR ACCESSORY DRIVE, Installed P/N BC410-1 - ALTERNATOR (OVERHAULED) S/N: 1032180.
9. Installed (2) 960-10 washers under bolt to bring up #1-3 inter baffle. RTV fuel drain line & lower baffle.

I certify that this ENGINE has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO\_191.

Jeff Pleiman A/P I/A 3304319



**Print**

**ANALYSIS RESULTS - ENGINE S/N: 917661**

ROCKY MOUNTAIN AIRCRAFT SERVICES  
ATTN: JUSTIN PARROW  
11750 AIRPORT WAY  
HGR B-12A  
BROOMFIELD CO 80021

Print Date: 3/28/2016  
Engine Model: CONT. 550  
Aircraft Type: SR22  
Aircraft S/N: 1419  
Tail No.: N828AB

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See [www.avlab.com/explain](http://www.avlab.com/explain) for detailed explanation of the statistical analysis used with your laboratory results.

**\*\* CURRENT SAMPLE APPEARS NORMAL. Send next sample at normal interval.**

A.L.A.R.M. Meter: Normal Elevated High

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magn.	Alum.	Lead	Silicon	Titanium	Tin	Moly.	
11.5 (N/A)	9.2 (N/A)	1.2 (N/A)	2.1 (N/A)	N/A	N/A	3.7 (N/A)	567 (N/A)	5.7 (N/A)	N/A	< 0.1 (N/A)	N/A	
*** FILTER ANALYSIS RESULTS ***												
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.		
Amount:												
Type:												
Form:												

Comments: ALL OIL VALUES SEEM FINE FOR THE ENGINE BREAK-IN CYCLE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.

**\*\* PREVIOUS 1 SAMPLE APPEARS NORMAL. Send next sample at normal interval.**

A.L.A.R.M. Meter: Normal Elevated High

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magn.	Alum.	Lead	Silicon	Titanium	Tin	Moly.	
42 (N/A)	22.4 (N/A)	5.3 (N/A)	9.2 (N/A)	N/A	N/A	11.7 (N/A)	7090 (N/A)	7.4 (N/A)	N/A	4.8 (N/A)	N/A	
*** FILTER ANALYSIS RESULTS ***												
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.		
Amount:												
Type:												
Form:												

Comments: