



10-23-91

## ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION \_\_\_\_\_

ENGINE MODEL AND SERIAL D-470-R S/N 84858-B-R

WESTERN CYLINDER OVERHAUL, INC.  
FAA REPAIR STATION NO. VA3R912L  
CONTINENTAL DISTRIBUTOR



AIRCRAFT ENGINE OVERHAUL AND EXCHANGE  
CYLINDER OVERHAUL AND EXCHANGE  
CARBURETOR & FUEL INJECTION OVERHAUL

*Mike Attolico*  
NANCEE ATTOLICO  
VICE PRESIDENT  
PHONE (818) 786-7772

15942 ARMINTA ST.  
VAN NUYS, CA 91406  
Fax (818) 786-7774

### INSTRUCTIONS

maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations.

NOTE: Record Service Bulletins and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record.

Copyright © 1988

DATE	TOTAL IN S
19__	HOURL

SIGNATURE,  
TE TYPE  
MBER

**WESTERN CYLINDER OVERHAUL, INC.**  
F.A.A. Repair Station #VA3R912L  
15942 Arminta Street  
Van Nuys, California 91406

Make CONTINENTAL Model 0-470-R  
Serial # 84858-3-R Date 10/15/91

Engine major overhauled this date. Pertinent details of this overhaul are on file at this Agency under Work Order # E1455. Work has been performed according to current F.A.A. regulations. Applicable airworthiness directives complied with. This engine has been approved for return to service. Fits and clearances are at Factory "Zero Time" specifications. TSMOH 00.0 hrs.

ALL AD'S COMPLIED WITH WESTERN CYLINDER OVERHAUL, INC.  
THRU THIS DATE

By *M. Attolico, C.T.*  
CHIEF INSPECTOR

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1992				
6-5			TACH 2976 THIS ENGINE HAS BEEN INSTALLED TO ACFT. N2161R S/N 18255361.	
			I certify that this <u>ENGINE</u> has been inspected In accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition this date <u>6-5-92</u> Tech <u>2976</u> Signed <u>[Signature]</u> Rating <u>A2264056</u>	SERVICED ENGINE WITH <u>AS80 OIL</u>  PROP INSTALLATION! REF 8TC & 337 FORM.
7-13-92			TACH 2984.9 INSTALLED WALKER AIR OIL SEPARATOR & MAIN BACK FITTING PER JTC SERVICE. A7A A81556532672 SEE 337 FORM ATTACHED.	

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19				
10-22-92			TACH 3014.4 (CHANGED ENGINE OIL USING 12 QT'S AEROSHELL W700 (CLEANED SCREEN). A7A A81556532672	
2-12-93			TACH 3039.2 (CHANGED ENGINE OIL USING 12 QT'S AEROSHELL W700 (CLEANED SCREEN). A7A A81556532672	
			I certify that this <u>ENGINE</u> has been inspected In accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition this date <u>8-12-93</u> Tech <u>3067</u> Signed <u>[Signature]</u> Rating <u>A.2264056</u>	CHANGED OIL SERVICED WITH <u>AS100W</u> RETIMED R/M MAR 90 22°

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
9-29-93			TACH 3113.7 CHANGED ENGINE OIL AND FILTER WASHED ENGINE RAN UP AND LEAK CHECKED GOOD. A.F. N. AEP 536532672	
3-2-94			TACH 31.62.5 (3162.5) CHANGED ENGINE OIL (AEROSHELL 15-50)	OWNER'S R.E. KRUMHOLTZ

(3212.5 NEXT CHANGE (OIL))

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
7-94			C/W AD 94-06-09 BY INSPECTION OF MAGNETO DOES NOT APPLY BY P/W OIL DATE CODE. C/W AD 94-01-03 BY INSPECTION DOES NOT APPLY BY PART # CONFIRMED COILS ARE NEW UPDATED TYPE BY INSPECTION. A.F. N. AEP 536532672	

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19 <u>94</u>				
10/5			<p>CLEANED &amp; GRAPED SPARK PLUGS, CHANGED OIL                      10 W 50 AERO 5W/20 CLEANED OIL SCREEN                      COMPRESSION CHECK:                      ① 17/80 ② 18/80 ③ 18/80 ④ 18/80 ⑤ 18/80 ⑥ 18/80                      AT</p>	
10/5	3187.55	55	<p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION THIS DATE 10-5-94                      TACH: 3187.55 AD'S #AW 94-06-07 C/W</p>	
			<p>D. T. Dawe                      A &amp; P 466275 IA</p>	

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19 <u>95</u>				
9/15	3200.	83	<p>CLEANED PLUGS, CHANGED OIL, CLEANED ALL SERGENS                      COMP. CK:                      ① 18/80 ② 17/80 ③ 18/80 ④ 16/80 ⑤ 18/80 ⑥ 18/80</p>	
			<p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION &amp; FOUND TO BE IN AIRWORTHY CONDITION THIS DATE.</p>	
			<p>D. T. Dawe                      A &amp; P / IA 466275</p>	

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1996	355, 9		Tach 33321 I certify that this engine has been inspected FAW a 100hr inspection and was found to be in an air worthy condition. Drained Oil Chkd Screen serviced with 12gts Arcoshell 15 w 50. M. L. Smith ATP 352486767	

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1997				
Sept 30-1997	478.5		Tach time 3481.5 Completed 100hr. inspection this time of date, A.W. FAR. part 43, maintenance appendix D - scope, detail of items. Drained oil, clean screen, replenished oil pump with 12gts Arcoshell 15-50.	
Eng. Compression				
#1-77 #2-78			replaced all spark plugs (12). checked mag. timing, complied with AB note # 48-09:04 by inspection of impulse coupling, no defects noted @ this time, next due @ 500.0 HRS. lubricated all engine controls, inspect ignition harness test.	
3-78 4-77				
5-77 6-78				
	80	pre	washed power plant ran eng. Checked for oil & fuel leaks, gen. chkd OK.  I certify that this <u>Powerplant</u> has been inspected in accordance with a <u>100 HR.</u> inspection and was determined to be in airworthy condition. Estevan Coville ATP 1896582	

### MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			01 FEBRUARY 2000 TACH: 3588.38 TSMOH: 612.38 N2161R T.C.M. O-470-R S/N 84858-3-R  ANNUAL INSPECTION COMPLETED IAW FAR 43 APPENDIX D. COMPRESSION CHECK GOOD. DRAINED ENGINE OIL, REPLACED FILTER, SERVICED WITH 11 QTS. AEROSHELL 15W50. CHECKED & ADJUSTED MAGNETO TIMING. CLEANED, GAPPED AND INSPECTED SPARK PLUGS. REPLACED BRACKETT AIR FILTER ELEMENT. CLEANED ALL FUEL SCREENS. PRESSURE CHECKED EXHAUST SYSTEM. <b>AD 96-12-07</b> BENDIX IMPULSE COUPLINGS, DUE INSPECTION AT TACH: 3951.5. <b>AD 98-17-11</b> CRANKSHAFT FAILURE, N/A BY CRANKSHAFT OVHL. <b>AD 98-23-01</b> AIRBORNE VACUUM PUMPS, N/A BY S/N. <b>AD 99-19-01</b> CRANKSHAFT FAILURE, N/A BY CRANKSHAFT OVHL DATE. RUN UP FOR LEAK AND OP'S CHECK GOOD. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.  STEVEN R. JOHNSON, A&P 585568445 I.A.	

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER																								
	HOURS	10ths																										
2002 02/20 a			Changed oil - Screens Minimum Carbon NO Metal Aeroshell 15W50	IA 2144075																								
			Date <u>02-20</u> Make <u>Continental</u> Model <u>O-470-R</u> Total Time <u>653.28</u> Tach Time <u>3639.2</u> Has <input checked="" type="checkbox"/> been inspected in accordance with A (Annual) inspection and was determined to be in Airworthy Condition.																									
			Signature <u>J Bruce Benton</u> (A & P) (IA) # <u>2144075</u>																									
			<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="6">CYLINDER NO.</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">77</td> <td style="text-align: center;">78</td> <td style="text-align: center;">80</td> <td style="text-align: center;">77</td> <td style="text-align: center;">77</td> <td style="text-align: center;">77</td> </tr> <tr> <td colspan="6" style="text-align: center;">80</td> </tr> </tbody> </table> COMPRESSION CHECK	CYLINDER NO.						1	2	3	4	5	6	77	78	80	77	77	77	80						
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77	78	80	77	77	77																							
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**MAINTENANCE RECORD**

DATE 2004 18	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER																								
	HOURS	10ths																										
05/04	653	.68	Propeller inspected for leaks	J Bruce Benton A&P IA 2144075																								
			<p>Date <del>05-04-04</del> Make <del>Continental</del> Model <del>0-470-B</del>                      Total Time <del>653.68</del> Tach Time <del>3629.63</del>                      I Certify That This (Aircraft) (Engine)                      Has Been Inspected In Accordance With A                      (100 HR) (Annual) inspection And Was                      Determined To Be In Airworthy Condition.</p>																									
			<p>Signature <u>J Bruce Benton</u>                      (A &amp; P) (IA) # <u>2144075</u></p>	<table border="1"> <thead> <tr> <th colspan="6">CYLINDER NO.</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>70</td> <td>79</td> <td>79</td> <td>70</td> <td>77</td> <td>78</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p align="center"><b>COMPRESSION CHECK</b></p>	CYLINDER NO.						1	2	3	4	5	6	70	79	79	70	77	78						
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**MAINTENANCE RECORD**

DATE 2005	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
10-20	3630	.38	<p>Inspected propeller, profiled blades,                      checked exhaust, induction, Drained                      strainer, carburetor. Drained oil and                      reassembled. Compression test #1-70 #2-77                      #3-79 #4-74 #5-76 #6-77. Ground                      run and ops check satisfactory. I certify                      this engine has been inspected IAW 100 hr                      inspection and found to be in an airworthy                      condition at this time. <u>Bill Egan</u> H3P506562753                      A.I.D. 96-12-87 due at 3951.5 END</p>	



**MAINTENANCE RECORD**

DATE 2005 19	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER																								
	HOURS	10ths																										
			<p>Date <u>10-19-05</u> Make <u>Sautter</u> Model <u>O-470-R</u>                      Total Time <u>664.65</u> Tach Time <u>3630.38</u>                      I Cert. <u>at This (Aircraft) (Engine)</u>                      Has <u>been inspected</u> In Accordance With A  <u>100 HR</u> (Annual) Inspection And Was                      Determined To Be In Airworthy Condition                      Signature <u>J Bruce Benton</u>                      (A &amp; P) (IA) # <u>2144075</u></p>																									
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70	77	79	74	76	77																							
			86																									

June 22

**MAINTENANCE RECORD**

DATE 2007	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
	3630	85	<p>TSMOH <u>654.85</u> Ground run engine, all normal                      no leaks. Compression test #1-70 #2-77 #3-79 #4-74                      #5-76 #6-77. Checked and adjusted magneto timing. Drained                      carburetor. Checked exhaust system for leaks. Tightened                      induction hose clamps. I certify this engine has been                      inspected IAW 100 hr insp and found to be in an                      air worthy condition. Bill Ellison ATP 300562753                      FND</p>	

### MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER																								
	HOURS	10ths																										
			<p>date <del>062107</del> Make <del>Cessna</del> Model <del>440-R</del></p> <p>Total Time <u>664.85</u> Tach Time <u>3630.95</u></p> <p>I Certify That This (Aircraft) (Engine) Has Been Inspected In Accordance With A (100 HR) (Annual) Inspection And Was Determined To Be In Airworthy Condition.</p> <p>Signature <u>J Bruce Benton</u></p>																									
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		80																										
			<p>A &amp; P) (IA) # <u>2144075</u></p>																									

### MAINTENANCE RECORD

DATE 2008	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p><u>3631.0</u> <u>Sept 15-2008</u></p> <p>TSMOH <u>655.0</u></p> <p>Removed Engine Cowling. Drained carburetor and fuel filters. Checked and replenished oil system. Inspected air filter and induction system. Compression test completed, will check compression again in 10 hours at <u>3641.0</u> tach to check for change in compression due to low flying time since last inspection. Ground Run, leak check and operational check normal. I certify this engine has been inspected IAW a 100 hr inspection and found to be in an airworthy condition. Bill Eganney #EP 386562753 EID.</p>	

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER																								
	HOURS	10ths																										
			<p>09-16-09 Make Continental Model O-470R                      Total Time 655.01 Tach Time 3451.0                      I Certify That This (Aircraft) (Engine)                      Has Been Inspected In Accordance With A                      (100 HR) (Annual) Inspection And Was                      Determined To Be In Airworthy Condition</p> <p>Signature <u>J Bruce Benton</u>                      (A &amp; P) (IA) # <u>21421075</u></p>	<table border="1"> <thead> <tr> <th colspan="6">CYLINDER NO.</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>77</td> <td>79</td> <td>79</td> <td>76</td> <td>77</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p align="center"><b>COMPRESSION CHECK</b></p> <p>AD-20-029</p>	CYLINDER NO.						1	2	3	4	5	6	20	77	79	79	76	77						
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DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
NOV 2 - 2010			<p>Tach 3634.34 TSMOA 658.34 Drained                      carburetor. Checked oil. Lubric engine for leaks. Compression                      test satisfactory, all cylinders within tolerances                      with no change. Ground run normal and satisfactory.                      All filters in good shape. Inspected this engine                      has been inspected IAP 100hr and found to be in an                      airworthy inspection. Bill McGary AIP 3281047 EAS</p>	

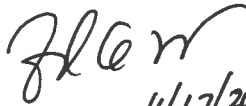
**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER																								
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			<p><del>01-03-07</del> Make <del>01-03-07</del> Model <del>01-03-07</del> R</p> <p>Wash Time 36 43/3 Tach Time 36 24.3</p> <p>I Certify That This Aircraft (Engine)</p> <p>Has Been Inspected in Accordance with A</p> <p>(FAA) (Annual) Inspection and Was</p> <p>Determined To Be in Airworthy Condition.</p> <p>Signature <u>J Bruce Benton</u></p> <p><del>01-03-07</del> <u>244 075</u></p>	<table border="1"> <tr> <th colspan="6">ENGINE</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> </tr> <tr> <td>76</td> <td>77</td> <td>79</td> <td>79</td> <td>76</td> <td>77</td> </tr> <tr> <td colspan="6" style="text-align: center;"><b>COMPRESSION CHECK</b></td> </tr> </table>	ENGINE						1	2	3	4	5	6	76	77	79	79	76	77	<b>COMPRESSION CHECK</b>					
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**MAINTENANCE RECORD**

DATE 2010 18	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER												
	HOURS	10ths														
2/20	TSMOH 661	03	<p>TCM 0-470-R S/N 84858-3-R N2161R</p> <p>ANNUAL INSPECTION COMPLETED IAW FAR 43 APP D. CHECKED MAG TIMING. CLEANED FUEL SCREEN. CHECKED EXHAUST INSPECTED &amp; CLEANED ALL LINES &amp; HOSES. CLEANED/DISAPPED PLUGS. GROUND RUX GOOD NO LEAKS. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.</p> <p>ALL AD'S TO DATE HAVE BEEN COMPLIED WITH</p> <p>AD 94-12-07 BENDIX IMPULSE PVE AT TACH 3951.5</p> <p>COMPRESSIONS:</p> <table border="0"> <tr> <td><u>1</u></td> <td><u>3</u></td> <td><u>5</u></td> <td><u>2</u></td> <td><u>4</u></td> <td><u>6</u></td> </tr> <tr> <td>60</td> <td>79</td> <td>70</td> <td>75</td> <td>78</td> <td>76</td> </tr> </table> <p>FERNANDO G. NUNEZ IA 2749192 A+P</p> <p><u>Bl G ny</u> (505) 507-3918</p>	<u>1</u>	<u>3</u>	<u>5</u>	<u>2</u>	<u>4</u>	<u>6</u>	60	79	70	75	78	76	
<u>1</u>	<u>3</u>	<u>5</u>	<u>2</u>	<u>4</u>	<u>6</u>											
60	79	70	75	78	76											

### MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			Date: 11/17/2011      Aircraft # N2161R TCM O-470- <del>1</del> Serial # 84858-3-R Tach: 3640.33      Total Time: 3640.33      SMOH: 664.36	
			<b>Comments:</b> ANNUAL INSPECTION WAS COMPLETED IAW FAR 43 APPENDIX D. COMPRESSION CHECK AS FOLLOWS 1/60, 2/80, 3/80, 4/78, 5/79, 6/78 ALL AIRWORTHY. OWNER ADVISED CYL #1 LOW BUT WITH IN LIMITS WILL CONTINUE TO MONITOR EVERY 10 HRS. PRESSURE CHECKED MUFFLERS GOOD. CLEANED & GAPPED SPARK PLUGS. CHECKED ALL SCREENS, FLUID LINES, AND CONTROL CABLE RIGGING. CHECK MAG TIMING GOOD. ALL AD'S TO THIS DATE HAVE BEEN COMPLIED WITH. GROUND RUN WAS PERFORMED LEAK CHECK AND OPERATIONAL RUN WAS GOOD. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Prepared By: FERNANDO G. NUNEZ    Certification # A&P 2749192 IA FOUR SEASONS AVIATION - ALBUQUERQUE, NM (KABQ) (505)307-3918	 11/17/2011


### MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			Date: 05/01/2013      Aircraft # N2161R O-470-R      Serial # 84858-3-R Tach: 3645.33      Total Time: 3645.33      SMOH: 669.36	
			<b>Comments:</b> ANNUAL INSPECTION WAS COMPLETED IAW FAR 43 APPENDIX D AND CESSNA CHECKLIST. COMPRESSION CHECK AS FOLLOWS 1/55, 2/70, 3/70 4/774, 5/71, 6/70. WNER ADVISED CYL #1 LOW. STAKED #1 CYLINDER AND REPLACED ROCKER GASKET. PRESSURE CHECKED MUFFLERS GOOD. CLEANED & GAPPED SPARK PLUGS. CHECKED ALL SCREENS, FLUID LINES, AND CONTROL CABLE RIGGING. CHECK MAG TIMING GOOD. INSTALLED CRANKSHAFT SEAL COVER PLATE. INSTALLED NEW ALTERNATOR BELT. ALL AD'S TO THIS DATE HAVE BEEN COMPLIED WITH. GROUND RUN WAS PERFORMED LEAK CHECK AND OPERATIONAL RUN WAS GOOD. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Prepared By: FERNANDO G. NUNEZ Certification # A&P 2749192 IA (505)307-3918	 5-1-13


### MAINTENANCE RECORD


DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Date: 02/25/2015      Aircraft # N2161R O-470-R      Serial # 84858-3-R                      Tach: 3645.77      Total Time: 3645.77      SMOH: 669.80</p> </div> <p><b>Comments:</b>                      ANNUAL INSPECTION WAS COMPLETED IAW FAR 43 APPENDIX D AND CESSNA CHECKLIST. COMPRESSION CHECK AS FOLLOWS 1/55 , 2/70 , 3/70 4/74 , 5/71 , 6/70 .OWNER ADVISED CYL #1 LOW. PRESSURE CHECKED MUFFLERS GOOD. CLEANED &amp; GAPPED SPARK PLUGS. CHECKED ALL SCREENS, FLUID LINES, AND CONTROL CABLE RIGGING. CHECK MAG TIMING GOOD. INSTALLED NEW AIRFILTER BA8103. CHANGED OIL AEROSHELL 15W50 AND CLEANED SCREEN. ALL AD'S TO THIS DATE HAVE BEEN COMPLIED WITH. GROUND RUN WAS PERFORMED LEAK CHECK AND OPERATIONAL RUN WAS GOOD. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p>Prepared By:                      FERNANDO G. NUNEZ                      Certification # A&amp;P 2749192 IA                      (505)307-3918 .</p> <div style="text-align: right; margin-top: 10px;"> <i>Fernando Nunez</i> 2/25/15                 </div>	

### MAINTENANCE RECORD



DATE 19__	TOTAL TIME IN SERV		 New Mexico Aero Service LLC <small>Licensed - Insured</small>				AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS		<b>New Mexico Aero Service LLC.</b>				
			<b>April 19, 2016    N2161R    Tach: 3646.1    Hobbs:    TTSN: 3646.1    SMOH: 670.1</b>				
			1. Performed annual inspection per Title 14CFR chapter 43, appendix D. I certify that this engine has been inspected IAW annual inspection and was determined to be in an airworthy condition. 2. Replaced #1 cylinder with serviceable unit due to burnt exhaust valve on prior cylinder exh valve. Installed cylinder with new piston rings and gaskets per TCM overhaul manual X30022A.				
			With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with New Mexico Aero Service LLC. under work order: NMA_WO-8.				
			Fernando Nunez      IA/AP      2749192	<i>Fernando Nunez</i> _____ 4/19/16			
			<i>Phillips N20W50</i>				
			<small>TCM, O-470-R, S/N: 84858-3-R</small>	<small>Engine</small>	<small>wo: NMA_WO-8</small>		

**MAINTENANCE RECORD**


DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			 New Mexico Aero Service LLC • (505)307-3918	
			<p><b>August 25, 2017      N2161R      Tach: 3649.27      TTSN: 3649.27      SMOH: 673.27</b></p> <p>1. Performed annual inspection per Title 14CFR chapter 43, appendix D. I certify that this engine has been inspected IAW annual inspection and was determined to be in an airworthy condition.</p> <p>2. Compression test results: 1-68/80 ,2-71/80 ,3-72/80 ,4-74/80 ,5-71/80 ,6-71/80 psi. All airworthy per TCM SB03-3.</p> <p>3. Installed new air filter BA4108.</p> <p>With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with New Mexico Aero Service LLC. under work order: NMA_WO-112.</p> <p>Fernando Nunez      IA/AP      2749192      <i>[Signature]</i></p>	
			<small>TCM, O-470-R, S/N: 84858-3-R      Engine      wo: NMA_WO-112</small>	

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<small>wo: NMA_WO-263      Engine - page 1 of 1</small>  New Mexico Aero Service LLC • (505)307-3918	
			<p><b>N2161R      TCM, O-470-R, S/N: 84858-3-R      January 10, 2019</b></p> <p>Tach: 3656.1      TTSN: 3656.1      SMOH: 680.1</p> <p>1. Performed Annual inspection per Title 14CFR chapter 43, appendix D. I certify that this engine has been inspected IAW annual inspection and was determined to be in an airworthy condition.</p> <p>2. Compression test results: 1-70/80 ,2-72/80 ,3-74/80 ,4-76/80 , 5-74/80, 6-70/80 psi. All airworthy per TCM SB03-3. Borescope inspection shows no anomalies.</p> <p>3. Changed oil and cleaned filter. No debris found. Installed (10) 20w50 - Phillips Oil.</p> <p>4. Installed overhauled Marvel Schebler carburetor MA4-5 P/N 10-4893-1 S/N BD-8-4218 see Aircraft Accessories of Oklahoma form 8130 # 010219. Rigged throttle and mixture. Set idle mixture settings per service manual. Idle set to 650 RPM. Functional check completed. Ground run normal. Installed (1) MA4-5 Carburetor - Marvel Schebler Carburetor.</p> <p>With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with New Mexico Aero Service LLC. under work order: NMA_WO-263.</p> <p>Fernando Nunez IA/AP 2749192      <i>[Signature]</i></p>	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	HOURS	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19__			
wo: NMA_WO-405 <span style="float: right;">Engine - page 1 of 1</span>		 New Mexico Aero Service LLC - (505)307-3918	
<b>N2161R</b> Tach: 3660.36		<b>TCM, O-470-R, S/N: 84858-3-R</b> TTSN: 3660.36      SMOH: 684.36	
		<b>March 24, 2020</b>	
1. Performed Annual inspection per Title 14CFR chapter 43, appendix D. I certify that this engine has been inspected IAW annual inspection and was determined to be in an airworthy condition. 2. Compression test results: 1-60/80 ,2-70/80 ,3-60/80 ,4-70/80 ,5-72/80,6-70/80 psi. All airworthy per Continental SB03-3.			
With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with New Mexico Aero Service LLC. under work order: NMA_WO-405.			
Fernando Nunez IA/AP 2749192			

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	HOURS	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19__			
wo: NMA_WO-659 <span style="float: right;">Engine - page 1 of 1</span>		 New Mexico Aero Service LLC - 50 George Applebay Way Hangar 93 - Moriarty, NM 87035 - (505)307-3918	
<b>N2161R</b> tach: 3662.9		<b>TCM, O-470-R, S/N: 84858-3-R</b> TTSN: 3662.9      SMOH: 686.9	
		<b>August 30, 2021</b>	
1. Performed Annual inspection per Title 14CFR chapter 43, appendix D. I certify that this engine has been inspected IAW annual inspection and was determined to be in an airworthy condition. 2. Compression test results: 1-59/80 ,2-68/80 ,3-79/80 ,4-73/80 ,5-69/80 ,6-77/80 psi. All airworthy per Continental M-O manual. Calibrated .040 master office reading was 46 psi measured with ATS Compression gauge, PN: 2E-M, SN: 3416 calibration due July 2022. 3. Installed all new champion spark plugs RHM40E Installed (12) RHM40E - Champion spark plug.			
With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with New Mexico Aero Service LLC. under work order: NMA_WO-659.			
Fernando Nunez IA/AP 2749192		