



Millennium Engine™

Engine Maintenance History

SUPERIOR®
AIR PARTS, INC.

Corporate Offices . 1

621 South Royal Lane, Suite 100
Coppell, Texas 75019-3805



Millennium Engine

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. _____

Engine Manufacturer TCM

Model IO 520BB

Serial No. 578544

Date installed on aircraft _____

Time Between Overhauls (TBO) _____

If used on multi-engine aircraft:

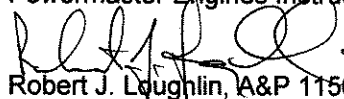



☐ RIGHT

☐ LEFT

☐ FRONT

☐ REAR

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------------|--|--|-------------------------------|-------------------------------------|-------------------------------------|--|---------------------------------------|------------------|--------------------|----------------------|-------------|------------|----------|-------------|------------|----------|------------|-----------|-----------|---------------|-------------|----------|----------------|-----------|----------|-------------|--------|--------------|----------|----------|---------|-------------|---------|------------|-----------|-------------|--------|
| | | <p style="text-align: right;">9027 S. Airport Way Jones/Riverside Airport Tulsa OK 74132 918-299-0269 FAA CRS # P46R287Y</p> <h2 style="text-align: center;">POWERMASTER AIRCRAFT ENGINES</h2> <div style="text-align: center; margin-top: 20px;"> Engine Overhaul Record Superior Millennium Engine </div> <table style="width: 100%; margin-top: 20px;"> <tr> <td><u>Engine Make:</u> Continental</td> <td><u>Model:</u> IO-520BB</td> </tr> <tr> <td><u>Serial Number:</u> 578544</td> <td><u>PAE Work Order #</u> 1971</td> </tr> <tr> <td><u>Date of Overhaul:</u> 5-1-2002</td> <td><u>Total Time:</u> TSMOH : "0"</td> </tr> </table> <p>This entry certifies that this engine has been overhauled to manufacturers new part tolerances. This engine was disassembled, cleaned, inspected, overhauled and tested in accordance with TCM manual # X30624A. New parts count exceeds that set forth in TCM Service Bulletin 97-6, Mandatory Replacement Parts. All AD's and TCM mandatory service bulletins have been complied with.</p> <p>The following accessories were overhauled and installed on this engine at the time of overhaul:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th><u>Component</u></th> <th><u>Part Number</u></th> <th><u>Serial Number</u></th> </tr> </thead> <tbody> <tr> <td>LH Magneto:</td> <td>6310 (New)</td> <td>02030379</td> </tr> <tr> <td>RH Magneto:</td> <td>6310 (New)</td> <td>02031164</td> </tr> <tr> <td>Fuel Pump:</td> <td>632818-11</td> <td>C279119BR</td> </tr> <tr> <td>Flow Divider:</td> <td>631427-2A14</td> <td>H048909C</td> </tr> <tr> <td>Control Valve:</td> <td>6629904-2</td> <td>H048905A</td> </tr> <tr> <td>Oil Cooler:</td> <td>635996</td> <td>1276/00313-4</td> </tr> <tr> <td>Starter:</td> <td>646275-1</td> <td>B101080</td> </tr> <tr> <td>Alternator:</td> <td>649304R</td> <td>H109310.OR</td> </tr> <tr> <td>Governor:</td> <td>C290D3K/T23</td> <td>880718</td> </tr> </tbody> </table> <p>New Major PMA component parts. RAM Camshaft, PN1058-1A SN-F01044 Superior Millennium Cylinders.</p> <p>The engine and accessories identified above were inspected and overhauled in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Details of this overhaul are on file at this repair station under Work Order # 1971.</p> <div style="text-align: right; margin-top: 20px;"> Signature _____ FAA CRS #P46R287Y </div> | <u>Engine Make:</u> Continental | <u>Model:</u> IO-520BB | <u>Serial Number:</u> 578544 | <u>PAE Work Order #</u> 1971 | <u>Date of Overhaul:</u> 5-1-2002 | <u>Total Time:</u> TSMOH : "0" | <u>Component</u> | <u>Part Number</u> | <u>Serial Number</u> | LH Magneto: | 6310 (New) | 02030379 | RH Magneto: | 6310 (New) | 02031164 | Fuel Pump: | 632818-11 | C279119BR | Flow Divider: | 631427-2A14 | H048909C | Control Valve: | 6629904-2 | H048905A | Oil Cooler: | 635996 | 1276/00313-4 | Starter: | 646275-1 | B101080 | Alternator: | 649304R | H109310.OR | Governor: | C290D3K/T23 | 880718 |
| <u>Engine Make:</u> Continental | <u>Model:</u> IO-520BB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Serial Number:</u> 578544 | <u>PAE Work Order #</u> 1971 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Date of Overhaul:</u> 5-1-2002 | <u>Total Time:</u> TSMOH : "0" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Component</u> | <u>Part Number</u> | <u>Serial Number</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LH Magneto: | 6310 (New) | 02030379 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RH Magneto: | 6310 (New) | 02031164 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel Pump: | 632818-11 | C279119BR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flow Divider: | 631427-2A14 | H048909C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Control Valve: | 6629904-2 | H048905A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oil Cooler: | 635996 | 1276/00313-4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Starter: | 646275-1 | B101080 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alternator: | 649304R | H109310.OR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Governor: | C290D3K/T23 | 880718 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|--|------------------------------------|---|
| 27 June 2002 | Tach. 1794.1 | TSMOH "0.0", Engine Total Time 1794.1 Installed in N222JW |
| <p>Installed this engine in N222JW following major overhaul, Ref. Powermaster Aircraft Engines W.O. 1971, dated 05/01/02. Engine was serviced full w/Aeroshell 100 mineral oil for break-in. Engine was ground run and the following adjustments made:</p> <ul style="list-style-type: none"> Adjusted idle speed & mixture Adjusted full power fuel flow per Powermaster Instructions (31.0 gph) Ground runs were normal, no oil or fuel leaks were noted. <p>Engine break-in to be completed by the owner/operator. Engine should be inspected for leaks & general condition following initial flight. Additional adjustments may be required, refer to Powermaster Engines Instructions. All AD's checked thru 2002-12. END ENTRY</p> <p> Robert J. Loughlin, A&P 115628415</p> | | |
| 06/27/02 | Tach. 1794.1 | TSMOH "0.0" Installed in N222JW |
| <p>I certify that this Engine has been inspected in accordance with an Annual Inspection and it was determined to be in Airworthy Condition. All AD's checked thru 2002-12. END ENTRY</p> <p> Robert J. Loughlin, IA 115628415</p> | | |
| <p><i>Exodus Air Service</i> (661) 942-6489</p> | | <p>4555 West Ave "G" (WJF) Lancaster, California 93536</p> |
| Date 09/11/2002 TSMO | Tach 1836.0 Hrs. TSTO | Aircraft N222JW ACTT |
| <p>Changed oil and filter, filter cut open-no abnormal debris noted, serviced 10 Qts. Aeroshell 100 mineral oil, ground ran for leak check-good. Removed and replaced baffle seal material on aft baffle. Aircraft returned to service.</p> | | |
| <p><i>Exodus Air Service</i> (661) 942-6489</p> | | <p> Michael Haney 569130095 A&P/IA</p> |
| Date 10/15/2002 TSMO | Tach 1848.4 Hrs. TSTO | Aircraft N222JW ACTT |
| <p>Installed General Aviation Modifications, Inc. #2 and #6 cylinders baffle assemblies G35-910039-41/200-1-3 and LH and RH Louver assemblies BON-901/BON-902 under the already installed STC 5223NM in accordance with the manufacturers installation instructions and drawings with reference to AC43.13. No change to weight and balance.</p> | | |
| <p><i>Exodus Air Service</i> (661) 942-6489</p> | | <p> Michael Haney 569130095 A&P/IA</p> |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|------------------------------|--|
| 10/15/02 | 1849 | Oil change, 10g Shell 15150, Filter change, no nutt oil, no analysis <i>Michael Haney</i> |
| <p>Exodus Air Service (661) 942-6489 4555 West Ave "G" (WJF) Lancaster, California 93536</p> <p>Date <u>7/1/2003</u> Tach <u>1903.5 Hrs.</u> Aircraft <u>N222JW</u> TSMO <u>109.4 Hrs.</u> TSTO <u>ACTT</u></p> <p>Compression check #1=78/80, #2=76/80, #3=72/80, #4=76/80, #5=76/80, #6=79/80. Cleaned all fuel injector nozzles, cleaned, gapped and tested all spark plugs, checked magneto timing-good. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition.</p> <p><i>Michael Haney</i> Michael Haney 569130095 A&P/IA</p> | | |
| Date <u>7/1/03</u> Tach <u>1903.5 Hrs.</u> | TE | 7/1 Oil change, 10g Shell 15150, Filter change, clean 15150, Filter change, clean |
| <p>I certify that this aircraft engine has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition per applicable <u>Continental</u> service manual.</p> <p>Signed: <i>Michael Haney</i> 569130095A</p> | | |
| 6/21/04 | 2011 hrs | Oil change, analysis 217h TSMOH, Filter and green - clean <i>Michael Haney</i> |
| <p>Exodus Air Service (661) 942-6489 4555 West Ave "G" (WJF) Lancaster, California 93536</p> <p>Date <u>08/04/2004</u> Tach <u>2022.1 Hrs.</u> Aircraft <u>N222JW</u> TSMO <u>228.0 Hrs.</u> TSTO <u>ACTT</u></p> <p>Compression checks #1=77/80, #2=76/80, #3=76/80, #4=78/80, #5=76/80, #6=76/80, cleaned, gapped and tested all spark plugs, cleaned fuel injector nozzles, installed Turbo Alley Turbo, Inc. "Rammer" intercooler upgrade under the original Turbo STC5223NM with reference to the installation instructions and dwg FT-B8.5/1-03 figures 22, 43 43A and dwg ETI-B-650 on landing light modification and supplement "R" on the pressurization of Slick magnetos. Form 337 submitted, no change to weight and balance/equipment list. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition.</p> <p><i>Michael Haney</i> Michael Haney 569130095 A&P/IA</p> | | |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|------------------------------|---|
| 8/4/04 | 228.0 Hrs | 426/05 Tach 2060 11g Shell 15150 Oil & Filter and green, clean <i>Michael Haney</i> |
| <p>I certify that this aircraft engine has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition per applicable <u>Continental</u> service manual.</p> <p>Signed: <i>Michael Haney</i> 569130095A</p> | | |
| <p>11/06/2005, Tach. 2136.0, TSMOH 341.9, Installed in N222JW</p> <p>Removed, cleaned, gapped & tested all sparkplugs & reinstalled (rotated). Performed warm compression check; #1 74/80, #2 76/80, #3 71/80, #4 76/80, #5 76/80, #6 78/80. Cut open & inspected previous oil filter as supplied by the owner/operator, no defects noted. Removed, ultrasonically cleaned all fuel injectors and reinstalled w/all new seals in their original position as charted during removal. Replaced crankshaft seal w/new seal P/N SA 641250. Engine ground run normal. No leaks noted. I certify that this Engine has been inspected in accordance with an Annual Inspection and it was determined to be in Airworthy Condition. This engine has also been inspected in accordance with the Millenium Engine 50 hour & 100 hour inspection checks. All AD's checked thru 2005-20</p> <p><i>Robert J. Loughlin</i> Robert J. Loughlin, A&P/IA 115628415 Antelope Valley General Aviation Services 1122 Flightline, Bldg. 76 (661) 824-4359</p> | | |
| 8/6/06 | 2196 | Oil change, 10g Shell 15150, Filter clean 403 TSMOH <i>Michael Haney</i> |
| <p>03/30/2006, Tach. 2147.7, TTAF 2147.7, Reg. N222JW</p> <p>Removed & reinstalled the propeller to facilitate replacement of the crankshaft seal w/new seal P/N SA641250 and compliance with TCM Service Bulletin M76-4. Reinstalled propeller w/new O-ring seal. Torqued prop bolts to 45 ft. lbs.</p> <p><i>Robert J. Loughlin</i> Robert J. Loughlin, A&P/IA 115628415 Antelope Valley General Aviation Services 1122 Flightline, Bldg. 76 (661) 824-4359</p> | | |
| <p>11/11/2006, Tach. 2238.4, TSMOH 440.3, Installed in N222JW</p> <p>Removed, cleaned, gapped & tested all sparkplugs & reinstalled (rotated). Performed warm compression check; #1 68/80, #2 74/80, #3 75/80, #4 77/80, #5 76/80, #6 74/80. Removed, ultrasonically cleaned all fuel injectors and reinstalled w/all new seals in their original position as charted during removal. Engine ground run normal. No leaks noted. I certify that this Engine has been inspected in accordance with an Annual Inspection and it was determined to be in Airworthy Condition. This engine has also been inspected in accordance with the Millenium Engine 50 hour & 100 hour inspection checks. All AD's checked thru 2006-21</p> <p><i>Robert J. Loughlin</i> Robert J. Loughlin, A&P/IA 115628415 Antelope Valley General Aviation Services 1122 Flightline, Bldg. 76 (661) 824-4359</p> | | |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|--|------------------------------|--|
| 3/12/07 | 2266 | Oil change - Aeroshell 15/50, 4736 TSMOH Filter clean <i>[Signature]</i> |
| 8/29/07 | 2350 | Oil change - Aeroshell 15/50 557 h TSMOH Filter clean <i>[Signature]</i> |
| <p>11/06/2007, Tach. 000.0, TSMOH ^{586.9} 586.9, Installed in N222JW</p> <p>Replaced all spark plugs w/new spark plugs. Performed warm compression check; #1 76/80, #2 76/80, #3 74/80, #4 76/80, #5 76/80, #6 73/80. Removed, ultrasonically cleaned all fuel injectors and reinstalled w/all new seals in their original position as charted during removal. Removed both magnetos and reinstalled same following 500 hr. inspection (Ref. Aero Accessories W.O. 28145 & 28146, dated 10/31/2007). Set ignition timing to 22 deg. BTC. Engine ground run normal. No leaks noted. I certify that this Engine has been inspected in accordance with an Annual Inspection and it was determined to be in Airworthy Condition. This engine has also been inspected in accordance with the Millenium Engine 50 hour & 100 hour inspection checks. All AD's checked thru 2007-21</p> <p><i>[Signature]</i> Robert J. Loughlin, A&P/IA 115628415 Antelope Valley General Aviation Services 1504 Flightline, Bldg. 70 (661) 824-4359</p> | | |
| 2/18/08 | 23 | Total Tach 2381.4 + 23 = 609 TSMOH, 54 hrs in oil Oil change, Aeroshell 15/50, Filter clean <i>[Signature]</i> |
| 2/18/08 | 0 | 473 + 139 h + Tach = TSMOH (Tach + 612) New Tach: Add 2381.4 + 24 = 2405 to total time |
| 9/18/08 | | Aeroshell 15/50 11pt, oil change, Filter clean <i>[Signature]</i> |
| <p>12/10/2008, Tach. 87.6, TTAF 2492.5, Reg. N222JW</p> <p>Drained engine oil and reserviced full w/Aeroshell 15W-50 oil. Removed oil filter, cut-open and inspected, no abnormalities noted. Installed new oil filter P/N CH48109-1. Took oil sample for analysis, results pending. Removed, cleaned, gapped and tested all spark plugs, rotated and reinstalled same. Removed all fuel injectors and reinstalled same w/all new seals following ultrasonic cleaning. Performed warm compression check with results as recorded herein; #1 78/80, #2 78/80, #3 77/80, #4 76/80, #5 78/80, #6 78/80. I certify that this Engine has been inspected in accordance with an Annual Inspection and it was determined to be in Airworthy Condition. All AD's checked thru 2008-25. This Engine has also been inspected in accordance with the Millenium Engine 50 & 100 hr. inspection. Engine ground run normal, no leaks noted.</p> <p>END ENTRY</p> <p><i>[Signature]</i> Robert J. Loughlin, A&P/IA 115628415 Antelope Valley General Aviation Services LLC 1504 Flightline, Bldg. 70 Mojave, CA 93501 (661) 824-4359</p> | | |
| 7/18/09 | | Oil change, Aeroshell 15/50 Filter clean <i>[Signature]</i> |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|------------------------------|--|
| | | <p>Date: August 4, 2009 Registration #: N222JW</p> <p>Replaced the following circuit breaker type switches with correct dash number circuit breaker switches, to comply with AD. These switches have been supplied by the customer. Nav, Vent Blower, Pitot, Strobe, Beacon, Taxi Light, Landing Light, and Alternator field. No change in weight and balance.</p> <p><i>[Signature]</i> Jeff Landon High Desert Avionics Repair Stn. HD7R252J</p> |
| <p>MH Aviation, Inc. (805) 341-2025</p> <p>Date 08/28/2009 Tach 168.8 Hrs. Aircraft N222JW TSMO 755.7 Hrs. ACTT 2573.7 Hrs. 779.6</p> <p>Removed and replaced #3 cylinder with new ECI nickel cylinder using all new gaskets and seals-work performed in accordance with the Continental Service and parts manuals, cleaned all fuel injector nozzles and reinstalled with new o-ring seals, cleaned, gapped and tested all spark plugs, replaced all rocker cover gaskets with silicone type, changed oil and filter and serviced with 12 Qts. Aeroshell 100 mineral oil, washed down engine, performed ground and flight break-in procedure, engine returned to service</p> <p><i>[Signature]</i> Michael Haney 2839678 A & P/IA</p> | | |
| <p>MH Aviation, Inc. (805) 341-2025</p> <p>Date 01/08/2009 Tach 199.1 Hrs. Aircraft N222JW TSMO 786.0 Hrs. ACTT 2604.0 Hrs. 809.9</p> <p>Compression checks #1=72/80, #2=76/80, #3=76/80, #4=78/80, #5=78/80, #6=76/80, cleaned, gapped and tested all spark plugs, ultrasonic cleaned fuel injector nozzles, changed oil and filter, serviced 12 Qts. Phillips 20W-50 with Cam-Gard, replaced air filter element, complied with AD2001-08-08 by replacement of V-band clamp on turbo down pipe with new part, replaced turbo wastegate oil hose fitting o-ring seals with new part-400207-0004S/400207-0006. Ground ran for leaks and ops check-good. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition. This engine was returned to service.</p> <p><i>[Signature]</i> Michael Haney 2839678 A & P/IA</p> <p>Date 1/8/10 Tach 199.1 Hrs. TSMO 786.0 Hrs. ACTT 2609.9</p> <p>I certify that this aircraft / engine has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in <u>airworthy</u> condition per applicable <u>Continental</u> service manual.</p> <p><i>[Signature]</i> Michael Haney 2839678A</p> | | |


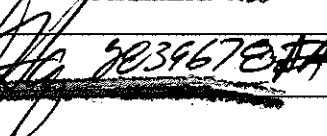
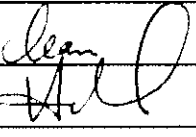


| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|--|------------------------------|---|
| 7/20/11 | 253 | Tach 253 TMSO 889 53 hrs oil oil change oil filter clean <i>Handwritten signature</i> |
| 11/25/11 | 304 | Tach 304 TMSO 891 OIL change Phillips XC 20/50 + Cam guard oil filter clean <i>Handwritten signature</i> |
| MHC Aviation, Inc. 4555 West Ave "G" (WJF) 805.341.2025 Lancaster, California 93536 | | |
| Date 02/08/2011 | Tach 304.6 Hrs. | Aircraft N222JW |
| ACTT 2709.5 Hrs. | SMO 891.5 Hrs. 915.4 | STOH |
| Compression checks #1=76/80, #2=78/80, #3=72/80, #4=78/80, #5=76/80, #6=76/80, cleaned all fuel injector nozzles and reinstalled with new o-ring seals, cleaned, gapped and tested all spark plugs, checked magneto timing, replaced air filter element with new unit. This engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and returned to service. | | |
| <i>Handwritten signature</i> Michael Haney 2839678 A & P | | |
| Date: 2/8/11 | Tach: 304.6 Hrs. | |
| TT: 891.5 Hrs. | 915.4 | |
| I certify that this aircraft engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition per applicable <u>CONTINENTAL</u> service manual. | | |
| Signed: <i>Handwritten signature</i> 2839678 A & P | | |
| 9/28/11 | 357 | Tach 357 oil change Phillips XC 20/50 w + Cam guard <i>Handwritten signature</i> |


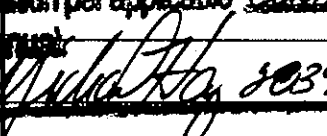
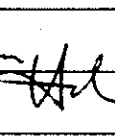
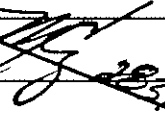
Date: March 01, 2012 Tach: 3210.4 Registration #: N222JW

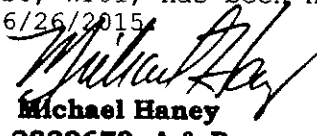
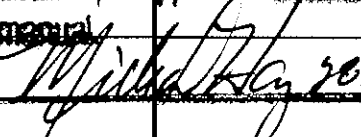
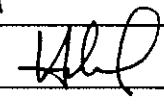
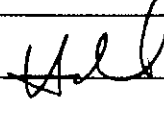
Removed existing KA185 Serial#2410 for repair of several inop annunciator lamps. Sent unit to Mid Continant Instruements for repair. Reinstalled repaired KA185. No change in weight and balance. Reference invoice#186.

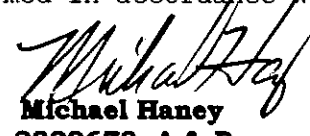
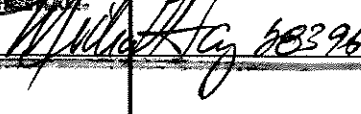
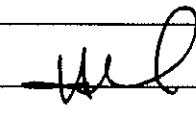
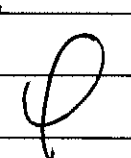
Jeff Landon
High Desert Avionics Inc.
Repair Stn. HD7R252J

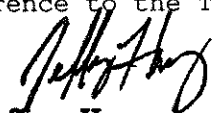

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|------------------------------|--|
| MHC Aviation, Inc. 4555 West Ave "G" (WJF) 805.341.2025 Lancaster, California 93536 | | |
| Date 03/09/2012 | Tach 398.7 Hrs. | Aircraft N222JW |
| ACTT 2803.6 Hrs. | SMO 985.6 Hrs. 1009.5 | STOH |
| Compression checks #1=72/80, #2=76/80, #3=76/80, #4=77/80, #5=75/80, #6=77/80, cleaned, gapped and tested all spark plugs, ultrasonic cleaned fuel injection nozzles and reinstalled with new o-ring and washer seals, checked magneto timing, removed and replaced #2 cylinder EGT probe with new part. No oil change at this time. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and was returned to service. | | |
| <i>Handwritten signature</i> Michael Haney 2839678 A & P | | |
| Date: 3/9/12 Tach: 398.7 Hrs. TT: 985.6 Hrs. 1009.5 I certify that this aircraft engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition per applicable <u>CONTINENTAL</u> service manual. | | |
| Signed: <i>Handwritten signature</i> 2839678 A & P | | |
| 5/14/12 | 409 | OIL Phillips XC 20/50 + Cam guard <i>Handwritten signature</i> |
| Date: July 16, 2012 Tach: 431.3 Registration #: N222JW | | |
| Replaced the KI256 with overhauled KI-256 Serial#11670. Replaced existing electric turn coordinator with new 1394T100-3Z electric turn coordinator Serial#D12-10709. No change in weight and balance. Reference invoice#358 | | |
| Jeff Landon High Desert Avionics Inc. Repair Stn. HD7R252J | | |
| Date: Aug 22, 2012 Tach: 435.7 Registration #: N222JW | | |
| Replaced existing Altitude encoder with new Trans-Cal SSD-120 Serial#N18108, as per install manual#882188 Rev. C dated October 27, 2008. No change in weight and balance. Reference invoice#419 | | |
| Jeff Landon High Desert Avionics Inc. Repair Stn. HD7R252J | | |
| | | 11/23/12 oil change Phillips XC 20/50 + Cam guard Tach 459 oil filter clean <i>Handwritten signature</i> |


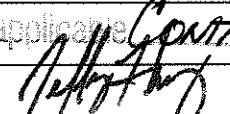
| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|--|--|---|
| MHC Aviation, Inc. 805.341.2025 4555 West Ave "G" (WJF) Lancaster, California 93536 | | |
| Date 04/05/2013 ACTT 2888.6 Hrs. | Tach 483.7 Hrs. SMO 1070.6 Hrs. 1094.5 | Aircraft N222JW STOH |
| Compression checks #1=73/80, #2=71/80, #3=70/80, #4=72/80, #5=72/80, #6=70/80, cleaned, gapped and tested all spark plugs, checked magneto timing, cleaned fuel injector nozzles and installed new o-ring seals. No oil change at this service. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and was returned to service. | | |
|  Michael Haney 2839678 A & P | | |
| Date 4/5/13 Tach 483.7 Hrs. ACTT 1070.6 Hrs. 1094.5 I certify that this aircraft / engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition per applicable <u>CONTINENTAL</u> service manual. Signature  2839678 A & P | | |
| 7/15/13 | 515 | Oil change & Phillips XC 20/50 - Cam guard, Filter clean  |
| Date: August 13, 2013 Registration #: N222JW Removed autopilot pitch servo for repair. Reinstalled repaired pitch servo. No change in weight and balance. Reference invoice#875.  Jeff London High Desert Avionics Inc. Repair Shop HD7R252J | | |
| MHC Aviation, Inc. 805.341.2025 4555 West Ave "G" (WJF) Lancaster, California 93536 | | |
| Date 08/12/2013 ACTT | Tach 527.2 Hrs. SMO | Aircraft N222JW STOH |
| Removed and replaced starter drive adapter with overhauled unit p/n 642085A17, s/n LY41851 from Lycon Engine. Ground ran for ops and leak check-good. Engine returned to service. | | |
|  Michael Haney 2839678 A & P | | |

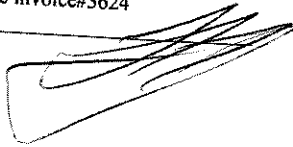
| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|--|--|
| MHC Aviation, Inc. 805.341.2025 4555 West Ave "G" (WJF) Lancaster, California 93536 | | |
| Date 05/09/2014 ACTT 2983.7 Hrs. | Tach 578.8 Hrs. SMO 1165.7 Hrs. 1187.6 | Aircraft N222JW STOH |
| Compression checks #1=75/80, #2=76/80, #3=72/80, #4=78/80, #5=76/80, #6=77/80, installed all new spark plugs, checked magneto timing, cleaned fuel injector nozzles and reassembled in engine with new o-ring seals, changed oil and filter and serviced 11 Qts. Phillips 20/50 plus Cam Gard. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and was returned to service. | | |
|  Michael Haney 2839678 A & P | | |
| Date 5/17/14 Tach 578.8 Hrs. ACTT 1165.7 Hrs. 1187.6 I certify that this aircraft / engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition per applicable <u>CONTINENTAL</u> service manual. Signature  2839678 A & P | | |
| 10/20/14 | 646.6 | O.I.C & Phillips XC 20/50 - Cam guard, Filter clean  |
| <div style="text-align: center;"> INTENTIONALLY LEFT BLANK  2839678 A & P </div> | | |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|--|------------------------------------|---|
| MH Aviation, Inc. 805.341.2025 4555 West Ave "G" (WJF) Lancaster, California 93536 | | |
| Date 06/26/2015 | Tach 700.7 Hrs. | Aircraft N222JW |
| ACTT 3105.6 Hrs. | SMO 1287.6 Hrs. 1311.5 | |
| Compression checks #1=75/80, #2=74/80, #3=75/80, #4=72/80, #5=75/80, #6=75/80, cleaned, gapped and tested all spark plugs, cleaned all fuel injector nozzles and reinstalled with new o-ring seals and rubber washers, removed LH/RH magnetos to perform 500 hours inspection, replaced contactors, capacitors, pressurized magneto kits, distributor block and rotor all with new parts and reinstalled on engine with new gaskets and timed 22* BTC, replaced air filter element with new part. Changed oil and filter, filter cut open-no abnormal debris noted, installed new filter and serviced 10 Qts. Phillips 20W50 XC. Complied with AD2014-05-29 on to prevent the separation of the cylinder head by initiation of Global AMOC provided by Superior Air Parts SB B14-01, paragraphs 1 through 4, approved by S. Frances Cox, Manager, Special Certification Office, ASW-190, Aircraft Certification Service, dated May 19, 2014. The inspections performed by this AMOC considered normal-next due tach=750.7 Hrs. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and returned to service. All work performed in accordance with the Continental service/parts manuals. ASI Gary E. Barnard at the Van Nuys FSDO, WP01, has been notified in accordance with the requirements of this AMOC on 6/26/2015. | | |
|  Michael Haney 2839678 A & P | | |
| Date 6/26/15 | Tach 700.7 Hrs. | |
| ACTT 3105.6 Hrs. | SMO 1287.6 Hrs. 1311.5 | |
| I certify that this aircraft engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition per applicable <u>CONTINENTAL</u> service manual. Signed  2839678 A & P | | |
| 4/2/16 | 770 hrs | O.I. A - Phillips XC 20/50 - Cam guard O.I. analysis sent by Post office  |
| 4/26/16 | | New battery installed  |




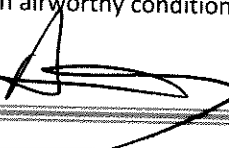
| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|--|------------------------------------|---|
| MH Aviation, Inc. 805.341.2025 4555 West Ave "G" (WJF) Lancaster, California 93536 | | |
| Date 07/11/2016 | Tach 793.0 Hrs. | Aircraft N222JW |
| ACTT 3197.9 Hrs. | SMO 1379.9 Hrs. 1403.8 | |
| Compression checks #1=75/80, #2=75/80, #3=78/80, #4=70/80, #5=75/80, #6=75/80, cleaned, gapped and tested all spark plugs, checked magneto timing, cleaned all fuel injector nozzles and reinstalled with all new seals, replaced air filter element, oil not changed at this time. Complied with AD2014-05-29 on to prevent the separation of the cylinder head by initiation of Global AMOC provided by Superior Air Parts SB B14-01, paragraphs 1 through 4, approved by S. Frances Cox, Manager, Special Certification Office, ASW-190, Aircraft Certification Service, dated May 19, 2014. The inspections performed by this AMOC considered normal-next due 843.0 hours. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and was returned to service. All work performed in accordance with the Continental service/parts manuals. | | |
|  Michael Haney 2839678 A & P | | |
| Date 7/11/16 | Tach 793.0 Hrs. | |
| ACTT 3197.9 Hrs. | SMO 1379.9 Hrs. 1403.8 | |
| I certify that this aircraft engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition per applicable <u>CONTINENTAL</u> service manual. Signed  2839678 A & P | | |
| 11/16/16 | 826 | O.I. A - Phillips XC 20/50 - Cam guard O.I. filter after 110 hrs clean  |
| 8/30/17 | 882 | O.I. A - Phillips XC 20/50 - Cam guard  |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|---|--|
| MH Aviation, Inc. <div style="text-align: right;">4555 West Ave "G" (WJF)</div> <div style="text-align: center;">805.341.2025 Lancaster, California 93536</div> | | |
| Date 08/02/2017 | Tach 869.2 Hrs. | Aircraft N222JW |
| ACTT 3274.1 Hrs. | SMO 1456.1 1480.0 Hrs. | |
| Compression checks #1=75/80, #2=72/80, #3=76/80, #4=76/80, #5=75/80, #6=76/80, cleaned, gapped and tested all spark plugs, cleaned fuel injector nozzles and installed with new seals, checked magneto timing, replaced air filter element, oil not changed at this time. Complied with AD2014-05-29 on to prevent the separation of the cylinder heads by inspection per the Global AMOC provided by Superior Air Parts SB B14-01, paragraphs 1 through 4, approved by S. Frances Cox, Manager, Special Certification Office, ASW-190, Aircraft Certification Service, dated May 19, 2014. The inspections performed by this AMOC considered normal-next due 919.2 Hrs. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and returned to service. All work performed with reference to the TCM IO520 service/parts manuals. | | |
|  Jeffrey Haney 3210092 A & P | | |
| 8/2/17 | 869.2 Hrs | |
| SMO | 1456.1 1480.0 Hrs | |
| I certify that this aircraft/engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition per applicable <u>TCM</u> service manual. | | |
| Signed |  | |
| | 3210092/A | |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|---|---|--|
| MH Aviation, Inc. <div style="text-align: right;">4651 William Barnes Ave (WJF)</div> <div style="text-align: center;">661.948.7779 Lancaster, California 93536</div> | | |
| Date 09/13/2018 | Tach 958.4 Hrs. | Aircraft N222JW |
| ACTT 3363.3 Hrs. | SMO 1545.3 1549.2 Hrs. | |
| Compression checks #1=75/80, #2=74/80, #3=75/80, #4=73/80, #5=75/80, #6=78/80 cleaned gapped and tested all spark plugs, checked magneto timings, cleaned all fuel injector nozzles and re-assembled with new seals, changed oil and filter, oil filter cut open-no abnormal debris noted, serviced 11 Qts. Phillips 20W-50. Complied with AD2014-05-29 on to prevent cylinder head separation by inspection per the Global AMOC provided by Superior Air Parts SB B14-01, paragraphs 1 through 4, approved by S. Frances Cox, Manager, Special Certification Office, ASW-190, Aircraft Certification Service, dated May 19, 2014. The inspections performed by this AMOC considered normal-next due 1008.4 Hrs. Ground ran engine for ops and leak check-good. I certify that this engine has been inspected in accordance with a 100 hours inspection and was determined to be in airworthy condition and returned to service. All work performed with reference to the Continental service/parts manual. | | |
|  Jeffrey Haney 3210092 A & P | | |
| 9/13/18 | 958.4 Hrs | |
| SMO | 1545.3 1549.2 Hrs | |
| I certify that this aircraft/engine has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in airworthy condition per applicable <u>CONTINENTAL</u> service manual. | | |
| Signed |  | |
| | 3210092/A | |
| 10-23-18 | 960.5 | Replaced alternator with O/H alternator. |
| | | My Simpson AEP 3053772 |

| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|------|------------------------------------|--|
| | | <p>High Desert Avionics FAA Approved Repair Station#HD7R252J</p> <p>A/C: F33A N#: N222JW Date: 10-12-2018</p> <p>Tach Time: 969.0</p> <p>ATC Transponders & Encoding systems have been tested & inspected in accordance with FAR part 43 appendix E&F 91-413. I certify that the Altimeter, static systems, and interrogation tests required by FAR 91.411 have been performed. The altimeter was tested to 30,000 feet. Reference invoice#3624</p> <p>Signed: </p> |
| | | <p>Date: October 12, 2018 Reg#:N222JW</p> <p>Tach Time: 969.0</p> <p>Removed existing KX155 nav/com and BendixKing KLN88 Loran. Installed GTN750WAAS 1ZA023419, and GA35 Serial#152684WAAS GPS antenna, as per STC#SA02019SE-D. See Airplane Owners Manual change in weight and balance. Reference invoice#3624.</p> <p>Jeff Landon High Desert Avionics Inc. Repair Stn. HD7R252J</p> |
| | | <p>Date: October 12, 2018 Reg #: N222JW</p> <p>Tach Time: 969.0</p> <p>Removed existing transponder. Installed Garmin GTX345 Serial#3EG0022818, as per STC#SA01714WI. See Airplane Owners Manual for form 337, ICA, AFMS. And change in weight and balance. Reference invoice#3624</p> <p>Jeff Landon High Desert Avionics Inc. Repair Stn. HD7R252J</p> |
| | | <p>Date: October 12, 2018 Reg#:N222JW</p> <p>Tach Time: 969.0</p> <p>Installed DAC International GDC31 roll steering adapter, as per STC#SA10236SC. See Airplane Owners Manual change in weight and balance. Reference invoice#3624.</p> <p>Jeff Landon High Desert Avionics Inc. Repair Stn. HD7R252J</p> |

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| DATE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|------|------------------------------------|--|
| | | <div style="border: 1px solid black; padding: 10px;">  <div style="text-align: right;"> SKY ADDICT AVIATION N222JW </div> <p style="text-align: center;">421 8th Ave SE St. Petersburg, FL 33701</p> <p>Cont. IO-520-BB S/N 578544 TACH: 1023.3 TSMOH 1610.2 10/08/19 1634.1</p> <ul style="list-style-type: none"> Performed compression test as follows; #1 77/80 #2 76/80 #3 76/80 #4 77/80 #5 75/80 #6 77/80. Installed new oil filter. Cut open old filter for inspection; no faults found. Drained oil and serviced engine with Aeroshell W100 Plus. Cleaned, inspected and gapped all spark plugs. Cleaned fuel injectors. I certify this powerplant has been inspected in reference to 14 CFR 43 appendix (D) annual / 100hr checklist and has found to be in an airworthy condition. <p>Abraham Tray  A&P 3101588 IA</p> </div> |
| | | <div style="border: 1px solid black; padding: 10px;">  <div style="text-align: right;"> SKY ADDICT AVIATION N222JW </div> <p style="text-align: center;">421 8th Ave SE St. Petersburg, FL 33701</p> <p>Cont. IO-520-BB S/N 578544 TACH: 1119.5 TSMOH 1706.2 12/16/20 1730.3</p> <ul style="list-style-type: none"> Performed compression test as follows; #1 78/80 #2 77/80 #3 77/80 #4 78/80 #5 76/80 #6 77/80. Installed new oil filter. Cut open old filter for inspection; no faults found. Drained oil and serviced engine with Aeroshell W100 Plus. Cleaned, inspected and gapped all spark plugs. Cleaned fuel injectors. I certify this powerplant has been inspected in reference to 14 CFR 43 appendix (D) annual / 100hr checklist and has found to be in an airworthy condition. <p>Abraham Tray  A&P 3101588 IA</p> </div> |

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