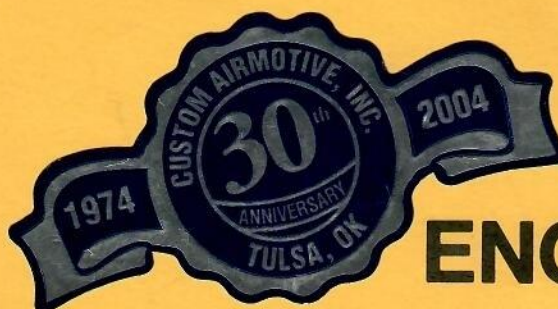


THE  
**adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM



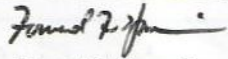
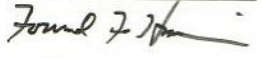
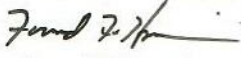
**ENGINE  
MAINTENANCE  
RECORDS**

*Custom Airmotive, Inc.*  
FAA REPAIR STATION #DC2R763K  
AIRCRAFT ENGINE SERVICE  
2702 N. SHERIDAN, BLDG. B  
TULSA, OK 74118  
(918) 839-8938  
FAX (918) 839-8431







DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Date:09/08/2004			Hr. Meter:997.9	TT:997.9 SMOH:0.0 N9167J
Engine S/N: L-9459-61A				
Textron/Lycoming Model: TIO-540-AF1B Annual Inspection				
<p>Reinstalled this engine in Mooney Model M20M, S/N 27-0168 after overhaul by Custom Airmotive, Inc. CRS No. DC2R764K under W/O: 18931. Drained preservation oil and installed new oil filter P/n CH48110. Serviced engine with 10 Qts. Aeroshell W100. Ran engine and checked for leaks. Checked torque on all exhaust system V-band clamps and lubricated wastegate. Tightened all cylinder oil drain back line hose clamps. Crankshaft gear AD 91-14-22 is superseded by AD 2004-10-14 and was C/W by Custom Airmotive, Inc. this overhaul. AD is due next overhaul, prop. strike, sudden stoppage or whenever geartrain repair is necessary. Fuel injector line and clamp AD 2002-26-01 Ref. MSB 342D was C/W by Custom Airmotive, Inc. this overhaul and is next due Tach: 1097.9 or 09/2005, whichever occurs first. Lear/Romec rotary fuel pump leak AD 2003-14-03 Ref MSB 529B was C/W by Mike's A/C Fuel Metering Service this overhaul and is next due Tach: 1047.9. Crankshaft gear retaining bolt AD 2004-05-24 Ref. SB 554 &amp; 475C was C/W by Custom Airmotive, Inc. this overhaul. Checked AD's thru BW 2004-17. I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.</p>				
Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478				 Fouad F. Hussain A&P461558166IA
Date:03/31/2005			Hr. Meter: 1023.8	N9167J
Engine S/N: L-9459-61A				
Textron/Lycoming Model: TIO-540-AF1B				
<p>Drained oil and inspected filter for metal (oil sample taken). Installed new oil filter P/n CH48110 and serviced engine with 10 Qts. Aeroshell 15W-50.</p>				
Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478				 Fouad F. Hussain A&P461558166
Date:05/20/2005			Hr. Meter: 1028.0	N9167J
Engine S/N: L9459-61A				
Textron/Lycoming Model: TIO-540-AF1B				
Adjusted oil pressure to nominal operating range.				
Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478				 Fouad F. Hussain A&P461558166
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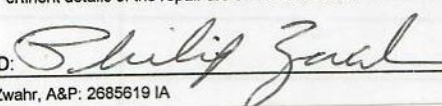

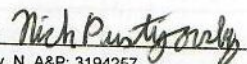

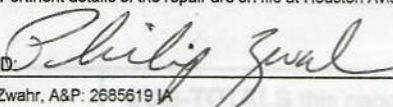


DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Date: 11/16/2005 Engine S/N: L-9459-61A Textron/Lycoming Model: TIO-540-AF1B Annual Inspection			Hr. Meter: 1042.8 TT: 1042.8 SMOH:44.9 N9167J	<p>Inspected intake and exhaust systems for leaks. Performed compression test using a differential pressure tester with results as follows: #1/80, 2/77, 3/79, 4/80, 5/80, 6/80 over 80 psi. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48110 and serviced engine with 10 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Cleaned, gapped and tested spark plugs. Checked magneto timing. Inspected and cleaned all fuel injector nozzles. Reinstalled nozzles with new seals P/n 951391. Purged system and checked for leaks. Inspected and cleaned fuel servo inlet screen. Serviced starter bendix with Silicone spray. Crankshaft gear <b>AD 2004-10-14</b> and was P/C/W by Custom Airmotive, Inc. and is due next overhaul, prop. strike, sudden stoppage or whenever geartrain repair is necessary. C/W Fuel injector line and clamp <b>AD 2002-26-01 Ref. MSB 342D</b>. No abnormalities found this date. Inspection is next due Tach: 1142.8 or 11/2006, whichever occurs first. C/W Lear/Romec rotary fuel pump leak <b>AD 2003-14-03 per MSB 529B</b>. All screws are properly torqued and no signs of fuel leaks this date. Visual and torque check is next due Tach: 1092.8. Crankshaft <b>AD 2005-19-11</b> is N/A by crankshaft was not replaced after March 1, 1999 and is not listed in Table 1 of Lycoming MSB 566. Checked AD's thru <b>BW 2005-22</b>. I certify that this Engine has been inspected in accordance with an <b>Annual Inspection</b> and was determined to be in <b>Airworthy</b> condition.</p> <p>Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478</p> <p><i>Fouad F. Hussain</i> Fouad F. Hussain A&amp;P461558166IA</p>
Date: 03/15/2007 Engine S/N: L-9459-61A Textron/Lycoming Model: TIO-540-AF1B Annual Inspection			Hr. Meter: 1075.0 TT: 1075.0 SMOH:77.1 N9167J	<p>Inspected intake and exhaust systems for leaks. Performed compression test using a differential pressure tester with results as follows: #1/78, 2/77, 3/78, 4/77, 5/79, 6/78 over 80 psi. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48110-1 and serviced engine with 10 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Cleaned, gapped and tested spark plugs. Checked magneto timing. Inspected and cleaned all fuel injector nozzles. Reinstalled nozzles with new seals P/n 951391. Purged system and checked for leaks. Inspected and cleaned fuel servo inlet screen. Serviced starter bendix with Silicone spray. Crankshaft gear <b>AD 2004-10-14</b> and was P/C/W by Custom Airmotive, Inc. and is due next overhaul, prop. strike, sudden stoppage or whenever geartrain repair is necessary. C/W Fuel injector line and clamp <b>AD 2002-26-01 Ref. MSB 342D</b>. No abnormalities found this date. Inspection is next due Tach: 1175.0 or 03/2008, whichever occurs first. C/W Lear/Romec rotary fuel pump leak <b>AD 2003-14-03 per MSB 529B</b>. All screws are properly torqued and no signs of fuel leaks this date. No further torque inspections are required per par (b)(3). Visual inspection is next due Hr. Meter:1125.0 (every 50 hrs. or until pump is replaced with suffix "M" pump. ECI Cylinder <b>AD 2005-26-10</b> is superseded by <b>AD 2006-12-07</b> and is N/A by engine is not equipped with ECI Cylinders. ECI <b>AD 2006-10-21</b> is N/A by ECI connecting rods are not installed. Crankshaft <b>AD 2006-20-09</b> is N/A by crankshaft was not manufactured after March 1, 1997. Checked AD's thru <b>BW 2007-06</b>. I certify that this Engine has been inspected in accordance with an <b>Annual Inspection</b> and was determined to be in <b>Airworthy</b> condition.</p> <p>Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478</p> <p><i>Fouad F. Hussain</i> Fouad F. Hussain A&amp;P32048611A</p>


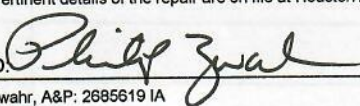

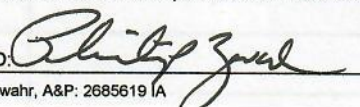
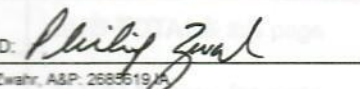
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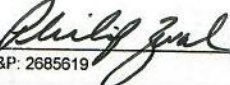

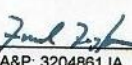


DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTALS</b> brought forward from previous page				
<b>ENGINE MODEL:</b> TIO-540-AF1B <b>ENGINE S/N:</b> L-9459-61A <b>REG. NO:</b> N9167J <b>WORK ORDER:</b> 285-01-2008		 <b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 Phone: 281-494-5800		<b>DATE:</b> 4/11/2008 <b>A/C TSN:</b> 1102.3 <b>ENG TT:</b> 1102.3 <b>TSMOH:</b> 104.4 <b>HOBBS:</b> 1102.3
<b>Engine Entries</b> Completed an Annual Inspection this date Ref. Mooney M20M 100 Hr/Annual Inspection Guide Checklist Form 0100 and Mooney Aircraft Service Manual. Performed a cylinder compression check using differential compression tester with a calibrated orifice value of 49 PSI with results as follows: #1/77, 2/77, 3/78, 4/77, 5/77, 6/78 over 80 PSI. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48110-1 and serviced engine with 10 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Lubricated starter bendix with silicone spray. Inspected and pressurized intake and exhaust system and checked for leaks. Checked all exhaust v-band clamp torque. Checked magneto timing. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injector nozzles. Reinstalled nozzles with new o-rings P/n 951391. Purged fuel system and checked nozzles for leaks. Checked AD's thru BW 2008-07.... C/W Rotary Fuel Pump Relief Valve Screw AD 2003-14-03 (b)(ii) visual check only. Torque value remains unchanged. Visual inspection is next due Hr. Meter: 1152.3.... C/W External Fuel Injection Line AD 2002-26-01 by inspection lines and clamps per Lycoming MSB342E. No discrepancies found this date. Next due Hr. Meter: 1202.3 or 04/2009, whichever occurs first.... Installed bolt P/n MS20074-05-06 and washer P/n MS35338-45 and NAS1149F0463P on intercooler bracket.... I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.				
<b>Maintenance Release</b> The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 285-01-2008.				
<b>DATE:</b> 4/11/2008		<b>SIGNED:</b>  Philip L Zwahr, A&P: 2685619 IA		<b>Work Order:</b> 285-01-2008 Printed by EBis 3 (datamedia.com)
<b>ENGINE MODEL:</b> TIO-540-AF1B <b>ENGINE S/N:</b> L-9459-61A <b>REG. NO:</b> N9167J <b>WORK ORDER:</b> 794-02-2009		 <b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 Phone: 281-494-5800		<b>DATE:</b> 2/27/2009 <b>A/C TSN:</b> 1109.1 <b>ENG TT:</b> 3.8 <b>HOBBS:</b> 1109.1
<b>Engine Entries</b> Checked oil scavenge pump operation. Found scavenge pump to function (weak but should not produce problem). Filled turbo bearing housing with B-12 to condition oil seals. Installed new oil return line gasket P/n 649960. Ran engine and checked for leaks. None found. Serviced engine with 2 Qts of 15W-50.				
<b>Maintenance Release</b> The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 794-02-2009.				
<b>DATE:</b> 2/27/2009		<b>SIGNED:</b>  Pustejovsky, N, A&P: 3194257		<b>Work Order:</b> 794-02-2009 Printed by EBis 3 (datamedia.com)
<b>ENGINE MODEL:</b> TIO-540-AF1B <b>ENGINE S/N:</b> L-9459-61A <b>REG. NO:</b> N9167J <b>WORK ORDER:</b> 797-02-2009		 <b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 Phone: 281-494-5800		<b>DATE:</b> 5/4/2009 <b>A/C TSN:</b> 1111.1 <b>ENG TT:</b> 1111.1 <b>TSMOH:</b> 113.2 <b>HOBBS:</b> 1111.1
<b>Engine Entries</b> Performed an Annual Inspection this date Ref Mooney M20M Form 0100. Performed a cylinder compression check using differential compression tester with a calibrated orifice value of 49 PSI with results as follows: #1/70, 2/78, 3/77, 4/77, 5/72, 6/77 over 80 PSI. Checked oil filter for contaminants-none found this date. Drained oil and serviced aircraft with 10 Qts of Aeroshell 15W50 (oil sample taken). Installed new oil filter P/n CH48110-1. Ran engine and checked for leaks. Inspected intake and exhaust system for leaks. Cleaned, gapped and tested spark plugs. Purged system and checked for leaks. Checked AD's thru BW 2009-09.... C/W External Fuel Injection Line AD 2008-14-07 by inspection lines and clamps per Lycoming MSB342E. No discrepancies found this date. Next due Hr. Meter: 1211.1 or 05/2010, whichever occurs first.... Removed turbocharger P/n 466011-9002, S/N WD-L0107 for overhaul by Quality Aircraft Accessories Inc. CRS No. QYIR3334Y under W/O 82103. Reinstalled turbocharger and checked operation. Operational check satisfactory.... I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.				
<b>Maintenance Release</b> The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 797-02-2009.				
<b>DATE:</b> 5/4/2009		<b>SIGNED:</b>  Philip L Zwahr, A&P: 2685619 IA		<b>Work Order:</b> 797-02-2009 Printed by EBis 3 (datamedia.com)
<b>TOTALS</b> -Carry forward to next page				



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTALS</b> brought forward from previous page				
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 1360-05-2010</p> </div> <div style="text-align: center;">  <p><b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 Phone: 281-494-5800</p> </div> <div> <p>DATE: 5/28/2010 A/C TSN: 1118.1 ENG TT: 1118.1 TSMOH: 120.2 HOBBS: 1118.1</p> </div> </div> <p><b>Engine Entries</b></p> <p>Completed an Annual Inspection this date Ref. Mooney M20M 100 Hr/Annual Inspection Guide Checklist Form 0100 and Mooney Aircraft Service Manual. Performed a cylinder compression check using differential compression tester with a calibrated orifice value of 49 PSI with results as follows: #1/74, 2/77, 3/77, 4/76, 5/77, 6/78 over 80 PSI. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48110-1 and serviced engine with 10 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Lubricated starter bendix with silicone spray. Inspected and pressurized intake and exhaust system and checked for leaks. Checked all exhaust v-band clamp torque. Checked magneto timing. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injector nozzles. Reinstalled nozzles with new o-rings P/n 951391. Purged fuel system and checked nozzles for leaks. Checked AD's thru BW 2010-10.... C/W External Fuel Injection Line AD 2008-14-07 by inspection lines and clamps per Lycoming MSB342E. No discrepancies found this date. Next due Hr. Meter: 1211.1 or 05/2011, whichever occurs first.... Installed new CHT P/n 102-00007, S/N 37899.... I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.</p> <p><b>Maintenance Release</b></p> <p>The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 1360-05-2010.</p> <div style="display: flex; justify-content: space-between;"> <div>DATE: 5/28/2010</div> <div>SIGNED:  Philip L. Zwahr, A&amp;P: 2685619 IA</div> <div>Work Order: 1360-05-2010 Printed by EBIS 3 (datcomedia.com)</div> </div>				
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 1915-04-2011</p> </div> <div style="text-align: center;">  <p><b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 Phone: 281-494-5800</p> </div> <div> <p>DATE: 5/23/2011 A/C TSN: 1128.3 ENG TT: 1128.3 TSMOH: 130.4 HOBBS: 1128.3</p> </div> </div> <p><b>Engine Entries</b></p> <p>Completed an Annual Inspection this date Ref. Mooney M20M 100 Hr/Annual Inspection Guide Checklist Form 0100 and Mooney Aircraft Service Manual. Performed a cylinder compression check using differential compression tester with a calibrated orifice value of 49 PSI with results as follows: #1/74, 2/76, 3/76, 4/74, 5/76, 6/78 over 80 PSI. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48110-1 and serviced engine with 10 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Lubricated starter bendix with silicone spray. Inspected and pressurized intake and exhaust system and checked for leaks. Checked all exhaust v-band clamp torque. Checked magneto timing. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injector nozzles. Reinstalled nozzles with new o-rings P/n 951391. Purged fuel system and checked nozzles for leaks. Checked AD's thru BW 2011-11.... C/W External Fuel Injection Line AD 2008-14-07 by inspection lines and clamps per Lycoming MSB342E. No discrepancies found this date. Next due Hr. Meter: 1211.1 or 05/2012, whichever occurs first.... I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.</p> <p><b>Maintenance Release</b></p> <p>The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 1915-04-2011.</p> <div style="display: flex; justify-content: space-between;"> <div>DATE: 5/23/2011</div> <div>SIGNED:  Philip L. Zwahr, A&amp;P: 2685619 IA</div> <div>Work Order: 1915-04-2011 Printed by EBIS 3 (datcomedia.com)</div> </div>				
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 2440-05-2012</p> </div> <div style="text-align: center;"> <p><b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 USA Phone: 281-494-5800</p> </div> <div> <p>DATE: 7/23/2012 A/C TSN: 1154 ENG TT: 1154 TSMOH: 156.1 HOBBS: 1154</p> </div> </div> <p><b>Engine Entries</b></p> <p>Completed an Annual Inspection this date Ref. Mooney M20M 100 Hr/Annual Inspection Guide Checklist Form 0100 and Mooney Aircraft Service Manual. Performed a cylinder compression check using differential compression tester with a calibrated orifice value of 49 PSI with results as follows: #1/74, 2/72, 3/76, 4/72, 5/72, 6/70 over 80 PSI. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48110-1 and serviced engine with 10 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Lubricated starter bendix with silicone spray. Inspected and pressurized intake and exhaust system and checked for leaks. Checked all exhaust v-band clamp torque. Checked magneto timing. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injector nozzles. Reinstalled nozzles with new o-rings P/n 951391. Purged fuel system and checked nozzles for leaks. Checked AD's thru BW 2012-14. C/W External Fuel Injection Line AD 2011-26-04 (supersedes AD 2008-14-07) by inspection lines and clamps per Lycoming MSB342F. No discrepancies found this date. Next due Hr. Meter: 1254.0 or 07/2013, whichever occurs first.... I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.</p> <p><b>Maintenance Release</b></p> <p>The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 2440-05-2012.</p> <div style="display: flex; justify-content: space-between;"> <div>DATE: 7/23/2012</div> <div>SIGNED:  Philip L. Zwahr, A&amp;P: 2685619 IA</div> <div>Work Order: 2440-05-2012 Printed by EBIS 3 (datcomedia.com)</div> </div>				



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTALS</b> brought forward from previous page				
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 2618-09-2012</p> <p><b>Engine Entries</b></p> <p>Cleaned #3 fuel injector nozzle. Reinstalled nozzle and checked operation.</p> <p>Maintenance Release</p> <p>The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 2618-09-2012.</p> </div> <div style="text-align: center;">  <p><b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 USA Phone: 281-494-5800</p> </div> <div> <p>DATE: 10/4/2012 A/C TSN: 1157.4 ENG TT: 1157.4 TSMOH: 159.5 HOBBS: 1157.4</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <p>DATE: 10/4/2012</p> <p>SIGNED:  P Hoang, A&amp;P: 2712235</p> <p>Work Order: 2618-09-2012 Printed by EBis 3 (datcomedia.com)</p> </div>				
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 2666-10-2012</p> <p><b>Engine Entries</b></p> <p>Cleaned #3 and #5 fuel injectors. Swapped #3 and #5 injectors and #1 and #3 spark plugs. Ground run satisfactory. Installed new #3 CHT probe P/n 2853, S/N23491. Ground run satisfactory.</p> <p>Maintenance Release</p> <p>The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 2666-10-2012.</p> </div> <div style="text-align: center;">  <p><b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 USA Phone: 281-494-5800</p> </div> <div> <p>DATE: 10/15/2012 A/C TSN: 1158.2 ENG TT: 1158.2 TSMOH: 156.1 HOBBS: 1158.2</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <p>DATE: 10/15/2012</p> <p>SIGNED:  Zwahr P, A&amp;P: 2685619</p> <p>Work Order: 2666-10-2012 Printed by EBis 3 (datcomedia.com)</p> </div>				
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 2998-07-2013</p> <p><b>Engine Entries</b></p> <p>Completed a 100Hr/Annual Inspection this date Ref. Mooney M20M 100 Hr/Annual Inspection Guide Checklist Form 0100 and Mooney Aircraft Service Manual. Performed a cylinder compression check using differential compression tester with a calibrated orifice value of 46 PSI with results as follows: #1/74, 2/76, 3/77, 4/74, 5/76, 6/78 over 80 PSI. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n CH48110-1 and serviced engine with 10 Qts. Aeroshell 15W-50. Ran engine and checked for leaks. Lubricated starter bendix with silicone spray. Inspected and pressurized intake and exhaust system and checked for leaks. Checked all exhaust v-band clamp torque. Checked magneto timing. Cleaned, gapped and tested spark plugs. Inspected and cleaned all fuel injector nozzles. Reinstalled nozzles with new o-rings P/n 951391. Purged fuel system and checked nozzles for leaks. Checked AD's thru BW 2013-15. AFS Fuel Servo Diaphragm AD 2012-03-06 (supersedes AD 2011-15-10) is N/A by affected diaphragm is not installed. Crankshaft retirement AD 2012-19-01 (supersedes AD 2006-20-09) is N/A by date of Mfg. Turbocharger AD 2012-24-09 is N/A by engine M/N and affected turbocharger is not installed... C/W External Fuel Injection Line AD 2011-26-04 (supersedes AD 2008-14-07) by inspection lines and clamps per Lycoming MSB342F. No discrepancies found this date. Next due Hr. Meter: 1297.4 or 08/2014, whichever occurs first.... Adjusted LH and RH magneto timing to 20 degrees BTC. Ran engine and checked operation. Operational check satisfactory.... I certify that this Engine has been inspected in accordance with a 100Hr/Annual Inspection and was determined to be in Airworthy condition.</p> <p>Maintenance Release</p> <p>The aircraft and/or component(s) on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 2998-07-2013.</p> </div> <div style="text-align: center;">  <p><b>Houston Aviation Center, LLC</b> 12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 USA Phone: 281-494-5800</p> </div> <div> <p>DATE: 8/16/2013 A/C TSN: 1197.4 ENG TT: 1197.4 TSMOH: 195.3 HOBBS: 1197.4</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <p>DATE: 8/16/2013</p> <p>SIGNED:  Fouad Hussain, A&amp;P: 3204861 IA</p> <p>Work Order: 2998-07-2013 Printed by EBis 3 (datcomedia.com)</p> </div>				
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DATE \_\_\_\_\_

Customer: Judith A Hutton Model: Mooney M20M  
 Tail: N9167J SN: 27-0168 Acft Tach: 1239.6 Date: 09-16-2014  
 Engine: Lycoming TIO-540-AF1B TT: 1239.6 TSMO: 241.7 SN: L9459-61A

Performed the following maintenance: Engine 100hr/ Annual Inspection.

1. Drained engine oil and removed filter. Replaced filter PN CH48110-1 and serviced with oil Aeroshell 15W50. Performed engine run leak chk, leak chk good at this time.
2. Engine Compressions No.1 (69), No.2 (73), No.3 (75), No.4 (72), No.5 (70), No.6 (72).
3. Comply with AD 76-07-12 by operational chk of Bendix switches, ops chk good at this time.
4. Comply with AD 09-02-03 Fuel injection servo plug. Verification on correct Gasket PN 2577258 installed.
5. Comply with AD 11-26-04 Fuel injector line leak chk, Removed and Replaced x12 O-rings on fuel injectors PN 951391. Removed and Replaced #3 cylinder fuel injection line PN 12098-0-210. Leak chk good.
6. All AD's checked thru biweekly 2014-18.

I certify that this engine has been inspected IAW an annual inspection per FAR 43, Appendix D. All work was performed IAW FAR 43, Appendix D, relevant manufacturer's instructions and the current Federal Aviation Administration Regulations. Pertinent details are on file.

  
(Scott C. Welch)

9-16-14  
Cert. #A&P32015341A

## ANSON AVIATION

Make: MOONEY Model: M20M Reg. No.: N9167J  
 Date: 09/01/16 S/N: 27-0168 Tach Time: 1261.30  
 Engine Log Type: LYTIO540AE1B S/N: L-9459-61A  
 Total Time: 1261.3 SOH: 263.4

Changed oil and filter. Cut old filter - no particles found. Washed engine. Cleaned and gapped spark plugs. Cleaned fuel nozzles and screens. Replaced all six fuel injector air hoses. Found fuel injector lines for cyls #1 & #2 would not accept torque and had to be replaced. Replaced a broken adapter fitting for the fuel pump upper deck pressure connection. C/W AD15-19-07 per SB342G. Next due 1361.3. Removed turbocharger for OVH at CRS#U5AR184Y P/N 466011-9002 s/n H-RFR00055 on W/O#36037 and installed it after OVH. Compression Check: #1-75, #2-77, #3-75, #4-77, #5-73, #6-77.

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

Dave Bray A&P 3807322 Dave Bray AIP3817322

1-13-2017 Hdds 1277.9 Removed fuel pump for overhaul by Mike's Aircraft fuel metering service. A modification 03-14-03 was performed at that time. Reinstalled fuel pump on engine. Removed fuel control servo C/W AD 2009-02-03 SB PRS 107 Rev 4 inspected cleaned and installed new gaskets. Installed fuel servo on engine. Removed exhaust system performed visual inspection, install and torqued to specs. Replaced all spark plugs with new AHB37E plugs. Performed ground ops check OK John Uken AIP3437625

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
8-3-2017		Tach 19.3		Drained oil out and inspected filter OK. Torqued and safely new filter. Added 10 qts $\frac{1}{2}$ 20 W50 oil. Ground ops leak check OK. EMO John W. A143437625
11-10-2017		Tach 38.0		Performed 100 hr inspection in accordance with FAR 43. Drained oil out and inspected oil filter OK. Performed compression test #1 56/80 #2 79/80 #3 78/80 #4 77/80 #5 77/80 #6 77/80. Removed #1 cylinder for overhaul by victor aviation service inc. P/N 16A22023 P/N V6493-97111-80. Performed visual inspection on exhaust. Installed #1 cyl new rings and seals. Installed new oil filter serviced engine with 10 qts of aeroshell 80. Cleaned gap and tested sparkplugs. Cleaned fuel injectors. AD 2017-16-11 N/A Due to overhaul date. CW AD 2015-19-07 Fuel injector lines. Performed ground ops and leak check good
				I certify that this <u>Engine</u> has been inspected in accordance with <u>100 hr</u> inspection and was determined to be in airworthy condition. Date <u>11-10-2017</u> W.O. # Total Time <u>318 TSMOH</u> Signed <u>John W</u> A&P <u>3437625</u>
4-19-18		tach reads 76.0		Install Rapco Vacuum pump 215CC. Ground run, ok. EMO John W. A143437625
5-24-19		Tach reads 130		Drain oil, inspect filter OK. Compression test #1 72/80 #2 70/80 #3 70/80 #4 74/80 #5 63/80 #6 70/80. Replaced induction air filter P/N 400417-503. Clean, gap, test sparkplugs. Clean fuel strainer →
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> -Carry forward to next page

Over ✓



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
5-24-19				Tach made 130. Checked magnets to engine timing. Serviced w/10gts Phillips x/c ZOWSD. Ground run, no leaks noted. Eno
				Verify that this <u>Engine</u> has been inspected
				in accordance with <u>100 Hour</u> inspection and
				is determined to be in airworthy condition.
				5-24-19 W.O. # _____
				41250014
				Signature _____
				AP 31271817

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