THE STATE AIRCRAFT MAINTENANCE MAINTENANCE RECORD RECORD SYSTEM



Custom Airmotive, Inc.

FAA REPAIR STATION #DC2R763K
AIRCRAFT ENGINE SERVICE
2702 N. SHERIDAN, ELDG. 8
TULSA, OK 74115
(918) 835-838
FAX (918) 836-9431

| ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS |
|---|
| TT997.9 TSMOH2.1(test run) |
| ModelTIO-540-AF1B S/NL-9459-61A |
| The aircraft engine identified above was repaired and inspected in accordance with manufactures specifications and current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repairs are on file at this repair station under, |
| Work order no18931 |
| Date_July 29, 2004 |
| Signed Mach Techter for |
| FAA REPAIR STATION# DC2R763K |
| CUSTOM AIRMOTIVE, INC. 2702 N. SHERIDAN, BLDG. B TULSA, OK 74115 (918)836-6836 Fax (918) 836-9431 |
| Note: Fuel system, turbocharger and fuel pump were also overhauled (see tags). Magnetos, spark plugs, ignition harness and oil filter are new. Note: This engine was equipped withNITRIDED/STEEL CYLINDERS |
| AIRWORTHINESS DIRECTIVES |
| A.D. # METHOD OF COMPLIANCE 71-13-01 C/W LYC. S.B.342D @ O-H. |
| 75-09-15 FUEL SYSTEM O-H'ED @ CRS#HK2R875K. |
| 78-23-10 FUEL SYSTEM O-H'ED @ CRS#HK2R875K. |
| 79-04-05 FUEL SYSTEM O-H'ED @ CRS#HK2R875K. |
| 91-08-07 C/W BY USE OF A PROPERLY ORIFICED VENT FITTING. |
| 92-12-05 N/A TO THESE NEW SL13444-1 PISTON PINS. 97-15-11 N/A TO THESE NEW SL13444-1 PISTON PINS. |
| 97-15-11 N/A TO THESE NEW SL13444-1 PISTON PINS. 2002-19-03 N/A TO THIS S/N ENGINE OR MODEL. |
| 2002-26-01 C/W; LINE INSP. & SECURED PER S.B.342D. |
| 2003-14-03 FUEL SYSTEM O-H'ED @ CRS#HK2R875K. |
| 2004-05-24 C/W S.B.554sup1 & 475C IN THERE ENTIRETY. |
| SIGNED Mark Library FOR CRS# OC2R763K. |
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| SUB-TOTALS this page |

| DATE | TOTAL TIME IN SERVICE | TOTAL TIME SINCE OVERHAUL | TACH OR RECORDING METER TIME | SIGN | DESCRIPTION (ATURE & CERTIFICATE | OF WORK PERFORMEN NO. OF PERSON PERF | D- FORMING WORK |
|------|--|---|---------------------------------------|----------------|--------------------------------------|---|----------------------------------|
| | | S/N: L-9459-61 | | | TT:997.9 | SMOH:0.0 | N9167J |
| | Textron/Lycoming Model: TIO-540-AF1B Annual Inspection 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 & 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. | | | | | | |
| | 12888 Hv | yy. 6 South nd, TX 77478 | | | | | ouad F. Hussain &P461558166IA |
| | Textron/L | N: L-9459-61 ycoming Mod | lel: TIO-540-AF | | Hr. Meter: 1023.8 | | N9167J |
| | Houston A | s. Aeroshell 18 Aviation Cent | er, LLC | al (oil sample | taken). Installed new oil | | d serviced engine |
| | 12888 Hw | nd Regional A y. 6 South nd, TX 77478 | irport | | | Fo | ouad F. Hussain &P461558166 |
| | Date:05/20/2005 Hr. Meter: 1028.0 N9167. Engine S/N: L9459-61A Textron/Lycoming Model: TIO-540-AF1B Adjusted oil pressure to nominal operating range. | | | | | | N9167J |
| | Houston A Sugar Lan 12888 Hwy | viation Cente d Regional A | er, LLC | Found 7. | | uad F. Hussain P461558166 | |
| | | | | | | | |
| | | | | SUB-TOTA | LS this page | | |

Page No. TOTAL TACH OR RECORDING DESCRIPTION OF WORK PERFORMED-DATE SINCE **METER** SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE **OVERHAUL** Date: 11/16/2005 Hr. Meter: 1042.8 TT: 1042.8 SMOH:44.9 N9167J Engine S/N: L-9459-61A Textron/Lycoming Model: TIO-540-AF1B Annual Inspection 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 contaminates (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 AD 2004-10-14 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 AD 2002-26-01 Ref. MSB 342D. 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 AD 2003-14-03 per MSB 529B. All screws are properly torqued and no signs of fuel leaks this date. Visual and torque check is next due Tach: 1092.8. Crankshaft AD 2005-19-11 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 BW 2005-22. I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition. Houston Aviation Center, LLC Formal 7: 46 Sugar Land Regional Airport 12888 Hwv. 6 South Fouad F. Hussain Sugar Land, TX 77478 A&P461558166IA TT: 1075.0 SMOH:77.1 N9167J Date: 03/15/2007 Hr. Meter: 1075.0 Engine S/N: L-9459-61A Textron/Lycoming Model: TIO-540-AF1B Annual Inspection Inspected intake and exhaust systems for leaks. Performed compression test using a differential pressure tester with

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 contaminates (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 AD 2004-10-14 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 AD 2002-26-01 Ref. MSB 342D. 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 AD 2003-14-03 per MSB 529B. 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 AD 2005-26-10 is superseded by AD 2006-12-07 and is N/A by engine is not equipped with ECI Cylinders. ECI AD 2006-10-21 is N/A by ECI connecting rods are not installed. Crankshaft AD 2006-20-09 is N/A by crankshaft was not manufactured after March 1, 1997. Checked AD's thru BW 2007-06. I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

Houston Aviation Center, LLC Sugar Land Regional Airport 12888 Hwy. 6 South Sugar Land, TX 77478

Fouad F. Hussain A&P3204861IA

SUB-TOTALS this 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

TOTALS brought forward from previous page

ENGINE MODEL: ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 285-01-2008



Houston Aviation Center, LLC

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

DATE: 4/11/2008 A/C TSN: 1102.3 ENG TT: 1102.3 TSMOH: 104.4 HOBBS: 1102.3

Engine Entries

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 contaminates (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. Completed an Annual Inspection this date Ref. Mooney M20M 100 Hr/Annual Inspection Guide Checklist Form 0100 and Mooney Aircraft Service Manual

Maintenance Release

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.

DATE: 4/11/2008

SIGNED:

Work Order: 285-01-2008

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ENGINE MODEL TIO-540-AF1B ENGINE S/N. L-9459-61A REG. NO: N9167J WORK ORDER: 794-02-2009



Houston Aviation Center, LLC

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

Philip L Zwahr, A&P: 2685619 IA

DATE: 2/27/2009 A/C TSN: 1109.1 **ENG TT: 3.8** HOBBS: 1109.1

Engine Entries

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

Maintenance Release

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.

DATE: 2/27/2009

SIGNED: Wh Purty moly Pustejovsky, N, A&P: 3194257

Work Order: 794-02-2009

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ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 797-02-2009



Houston Aviation Center, LLC

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

DATE: 5/4/2009 A/C TSN: 1111.1 ENG TT: 1111.1 TSMOH: 113.2 HOBBS: 1111.1

Engine Entries

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.

Maintenance Release

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.

DATE: 5/4/2009

SIGNED Philip L Zwahr, A&P: 2685619 L Work Order: 797-02-2009

Printed by EBis 3 (datcomedia.com)

DATE

TOTAL TIME IN SERVICE TOTAL TIME SINCE OVERHAU

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

TOTALS brought forward from previous page

ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 1360-05-2010



Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 Phone: 281-494-5800 DATE: 5/28/2010 A/C TSN: 1118.1 ENG TT: 1118.1 TSMOH: 120.2 HOBBS: 1118.1

Engine Entries

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 contaminates (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.

Maintenance Release

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.

DATE: 5/28/2010

SIGNED Shill 3

Philip L Zwahr, A&P: 2685619 IA

Work Order: 1360-05-2010

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ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 1915-04-2011



Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 Phone: 281-494-5800 DATE: 5/23/2011 A/C TSN: 1128.3 ENG TT: 1128.3 TSMOH: 130.4 HOBBS: 1128.3

Engine Entries

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, 6/78 over 80 PSI. Drained oil and inspected filter for contaminates (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.

Maintenance Release

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.

DATE: 5/23/2011

SIGNED: Philip L Zwahr, A&P: 2685619 Work Order: 1915-04-2011

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ENGINE MODEL: TIO-540-AF1B ENGINE S/N: L-9459-61A REG. NO: N9167J WORK ORDER: 2440-05-2012

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113 Sugar Land, TX 77498 USA Phone: 281-494-5800 DATE: 7/23/2012 A/C TSN: 1154 ENG TT: 1154 TSMOH: 156.1 HOBBS: 1154

Engine Entries

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 contaminates (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 lested 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.

Waintenance Release

and an accomponent's on N9167J was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Arwards for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No.

DATE 7/23/2012

SIGNED: Philip Zunt

Work Order: 2440-05-2012

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| ATE | TIME TIME RE | TACH OR COORDING DESCRIPT METER SIGNATURE & CERTIFIC | TION OF WORK PERFORMED— CATE NO. OF PERSON PERFORMING WORK | | | | | | | |
| | TOTALS brought forward from previous page | | | | | | | | | |
| | ENGINE MODEL: | Houston Aviation Center, LLC | | | | | | | | |
| | TIO-540-AF1B ENGINE S/N: L-9459-61A | 12888 Hwy 6 S Ste 113 | DATE: 10/4/2012 A/C TSN: 1157 4 | | | | | | | |
| | REG. NO: N9167J WORK ORDER: | Sugar Land, TX 77498 USA | ENG TT: 1157.4 | | | | | | | |
| | 2618-09-2012 | Phone: 281-494-5800 | TSMOH: 159.5 HOBBS: 1157.4 | | | | | | | |
| | Engine Entries | | | | | | | | | |
| | | | | | | | | | | |
| | Cleaned #3 fuel injector nozzle. Reinstalled nozzle and checked operation. | | | | | | | | | |
| | Maintenance Release | | | | | | | | | |
| | The aircraft and/or any and the air | | | | | | | | | |
| | and was found Airworthy for return to | 19167J was repaired and/or inspected in accordance with cu service. Pertinent details of the repair are on file at Houston | rrent requirements of the Federal Aviation Regulations | | | | | | | |
| | 2618-09-2012. | The same of the action of the | Aviation Center, LLC under Work Order No. | | | | | | | |
| | DATE: 10/4/2012 | SIGNED: DA I | | | | | | | | |
| | | P Hoang, A&P: 2712235 | Work Order: 2618-09-2012 | | | | | | | |
| | | F Hoalig, A&P. 2/12238 | Printed by EBis 3 (datcomedia.com) | | | | | | | |
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| | ENGINE MODEL: | Houston Aviation Center, LLC | DATE: 40450040 | | | | | | | |
| | TIO-540-AF1B ENGINE S/N: L-9459-61A | 12888 Hwy 6 S Ste 113 | DATE: 10/15/2012 A/C TSN: 1158.2 | | | | | | | |
| | REG. NO: N9167J | Sugar Land, TX 77498 USA | ENG TT: 1158.2 | | | | | | | |
| | WORK ORDER: 2666-10-2012 | Phone: 281-494-5800 | TSMOH: 156.1 HOBBS: 1158.2 | | | | | | | |
| | Engine Entries | | | | | | | | | |
| | | | | | | | | | | |
| | 2853, S/N23491. Ground run satisfact | apped #3 and #5 injectors and #1 and #3 spark plugs. Ground for w. | d run satisfactory. Installed new #3 CHT probe P/n | | | | | | | |
| | | | | | | | | | | |
| | Maintenance Release | | | | | | | | | |
| | The aircraft and/or component(s) on N | 19167J was repaired and/or inspected in accordance with cur | rrent requirements of the Federal Aviation Regulations | | | | | | | |
| | 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. | | | | | | | | | |
| | 5477 | 11:12 1 | | | | | | | | |
| | DATE: 10/15/2012 | SIGNED: feliclif gral | Work Order: 2666-10-2012 | | | | | | | |
| | Zwahr P, A&P: 2685619 Printed by EBis 3 (datcomedia.co | | | | | | | | | |
| | | | | | | | | | | |
| | ENGINE MODEL: | Houston Aviation Center, LLC | DATE: 8/16/2013 | | | | | | | |
| | TIO-540-AF1B ENGINE S/N: L-9459-61A | 12888 Hwy 6 S Ste 113 | A/C TSN: 1197.4 | | | | | | | |
| | REG. NO: N9167J WORK ORDER: | Sugar Land, TX 77498 USA | ENG TT: 1197.4 TSMOH: 195.3 | | | | | | | |
| | 2998-07-2013 - | Phone: 281-494-5800 | HOBBS: 1197.4 | | | | | | | |
| | Engine Entries | A POLICE OF A STATE OF | | | | | | | | |
| | | 1. J | | | | | | | | |
| | Manual. Performed a cylinder compress | nis date Ref. Mooney M20M 100 Hr/Annual Inspection Guide sion check using differential compression tester with a calibra RD PSI Desired oil and inspected files for the state of the control of the contr | e Checklist Form 0100 and Mooney Aircraft Service | | | | | | | |
| | #1/74, 2/76, 3/77, 4/74, 5/76, 6/78 over 8 | BO PSI. Drained oil and inspected filter for contaminates (oil | il sample taken). Installed new oil filter P/n | | | | | | | |
| | Inspected and pressurized intake and ex | what is system and charled for leaks | s. Lubricated starter bendix with silicone spray. | | | | | | | |
| | Cleaned, papped and tested spark plugs, papped and slaved all first limits. Checked all exhaust v-band clamp torque. Checked magneto timing. | | | | | | | | | |
| | system and checked nozzles for leaks | by affected diaphragm is not installed. Crankshaft retirement AD 2013-15. AFS Fuel Servo Diaphragm AD 2012-03-06 (supersedes AD 2011-15-10) is N/A | | | | | | | | |
| | system and checked nozzles for leaks. (by affected diaphragm is not installed. () | Control of the contro | 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 2006-20-09) is N/A by date of Mfg. Turbocharger 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. Adultstat It and RH magnets in the process of the process | | | | | | | |
| | system and checked nozzles for leaks. (by affected diaphragm is not installed. C 2012-24-09 is N/A by engine M/N and af 2008-14-07) by inspection lines and clar | mos per l veeming MSP343E. Ne discress size (| ection Line AD 2011-26-04 (supersedes AD | | | | | | | |
| | system and checked nozzles for leaks. by affected diaphragm is not installed. C 2012-24-09 is N/A by engine M/N and af 2008-14-07) by inspection lines and clar whichever occurs first. Adjusted I H an | mps per Lycoming MSB342F. No discrepancies found this d | action Line AD 2011-26-04 (supersedes AD date. Next due Hr. Meter: 1297.4 or 08/2014, | | | | | | | |
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| | system and checked nozzles for leaks. by affected diaphragm is not installed. C 2012-24-09 is NA by engine M/N and af 2008-14-07) by inspection lines and clar whichever occurs first Adjusted LH an certify that this Engine has been inspecte Maintenance Release The aircraft and/or component/s) on Na1 | mps per Lycoming MSB342F. No discrepancies found this d | ection Line AD 2011-26-04 (supersedes AD date. Next due Hr. Meter: 1297.4 or 08/2014, checked operation. Operational check satisfactory I determined to be in Airworthy condition. | | | | | | | |

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DATE: 8/16/2013

TOTALS-Carry forward to next page

Work Order: 2998-07-2013 Printed by EBis 3 (datcomedia.com)

All Around Aviation 12888 Hwy 6 South, Suite 116 rage No. Sugar Land, TX 77498 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. 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. Engine Compressions No.1 (69), No.2 (73), No.3 (75), No.4 (72), No.5 (70), No.6 (72). Comply with AD 76-07-12 by operational chk of Bendix switches, ops chk good at this time. Comply with AD 09-02-03 Fuel injection servo plug. Verification on correct Gasket PN 2577258 installed. 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. 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. 9-16-14 Cert. #A&P3201534IA (Scott C. Welch) NSON Make: MOONEY Model: M20M Reg. No.: N9167J Date: 09/01/16 S/N: 27-0168 Tach Time: 1261.30 Engine Log Type: LycTIO540AE1B 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 cyl.s #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 Gave Gray AH 3837322 Removed

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Page No.__

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