

THE
adlogTM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N7582V

Engine Manufacturer LYCOMING

Model IO-360-A1B6D

Serial No. L-22309-51A

Date installed on aircraft 03-04-1981

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right

☐ Left

☐ Front

☐ Rear

Factory
Reman
Installed
@
866.9
Tach hour.



AEROTECH PUBLICATIONS INC.

PO BOX 1359 / SOUTHOLD, NY 11971-0965

(516) 765-9375

1-800-235-6444

FAX: (516) 765-9359

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

TOTALS brought forward from previous page

04-16-99 1059.3 1059.3 1946.2

ENGINE COMPRESSION CHECK					
CYLINDER NO.					
80 46	80 40	80 17	80 15	80 X	80 X
1	2	3	4	5	6

 Work Order
 No. 14067

AD 82-20-1 BENDIX IMPULSE IS NOT APPLICABLE BY TIME IN SERVICE, AD 92-12-5 PISTON PIN IS NOT APPLICABLE BY DATE, AD 93-11-11 FUEL PUMP IS NOT APPLICABLE NOT OVERHAULD BY AAJ. AD 95-7-1 CONNECTING ROD BOLTS IS NOT APPLICABLE PARTS NOT INSTALLED BY REVIEW OF RECORDS, AD 96-23-3 FUEL PUMP IS NOT APPLICABLE BY DATE, AD 97-15-11 CYLINDER IS NOT APPLICABLE BY DATE, AD 98-17-11 NELSON CRANKSHAFT IS NOT APPLICABLE BY DATE. Yw AD 93-2-5 INJECTOR LINES BY INSPECTION AND FOUND SATISFACTORY NEXT DUE @ 04/2001, AD 96-9-10 OIL PUMP IS DUE @ 2886.9 or JULY 1, 2001 WHICHEVER IS FIRST. OIL AND FILTER CHANGED SERVICED WITH 8 QTS AGROSHELL ISW50 OIL.

I certify that this ENGINE has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.
 Date 04-16-99 Tach Reads 1059.3 Total Hrs 1059.3
 Mech. C. M. Smith Lic. 1946.2 1056480917

SYREK-MEE AVIATION INC.

04-27-2000 1097.2 1097.2 1984.1

ENGINE COMPRESSION CHECK					
CYLINDER NO.					
80 75	80 46	80 15	80 24	80 X	80 X
1	2	3	4	5	6

 Work Order
 No. 14717

REPLACED 5 SPARK PLUGS WITH NEW. OIL & FILTER CHANGED SERVICED WITH 8 QTS AGROSHELL ISW50. Yw AD 93-2-5 INJECTOR LINES BY INSPECTION AND FOUND SATISFACTORY NEXT DUE @ 04/2001.

I certify that this ENGINE has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.
 Date 04-27-2000 Tach Reads 1984.1 Total Hrs 1097.2
 Mech. C. M. Smith Lic. 1946.2 1056480917

SYREK-MEE AVIATION INC.

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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												
				TOTALS brought forward from previous page												
11-30-00			2002.4	CHANGED OIL AND FILTER ELEMENT, SERVICED												
				ENGINE W/ 8 QTS OF AEROSHELL 15W50, RAN												
				UP AND LEAK CHECKED <i>Carry forward</i> AP142983160												
05/01/2001	1126.6	1126.6	2013.5	ENGINE LOG May 1, 2001 N7582V TT 1126.6 TSOH 1126.6 Tach 2013.5 WORK ORDER # 15194 Changed engine oil and filter. Inspected filter – no metal found. Serviced with 8 quarts Aeroshell 15w50 oil. Cleaned and gaped spark plugs. Complied with AD96-9-10 Lycoming engine by removing oil pump impellers and replacing with hardened steel impeller kit P/N 05K19423-S per Lycoming S/B 524. Complied with AD93-2-5 Injector lines by inspection. Next inspection due at 05/2002. Complied with AD2000-18-53 Lycoming engine N/A gasket not installed. I certify that this engine has been inspected in accordance with a 100-hour inspection and is determined to be in airworthy condition. Peter Dein 152 74 3618 AP. <i>Peter Dein</i> <table border="1"> <caption>Engine Differential Compression Test</caption> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>74</td> <td>72</td> <td>74</td> <td>72</td> </tr> <tr> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> </table> SYREK-MEE AVIATION, INC. 1 AIRPORT ROAD MORRISTOWN NJ 07960 973-539-0110	1	2	3	4	74	72	74	72	80	80	80	80
1	2	3	4													
74	72	74	72													
80	80	80	80													
2-14-02			2037.8	ENGINE LOG N7582V- 177RG S/N 177RG0873 TACH: 2037.8 FEBRUARY 14, 2002 WO# 15601 CHANGED OIL AND FILTER, CUT OPEN AND INSPECTED FILTER, SERVICED WITH 8 QUARTS 15W50. RAN UP AND LEAK CHECKED, OPS CHECK NORMAL. <i>Helio da Costa Silva</i> HELIO DA COSTA SILVA A&P 144921220 SYREK-MEE AVIATION, INC. FIVE AIRPORT RD. MORRISTOWN, NJ 07960												
06/05/2002	1159.6	1159.6	2046.5	ENGINE LOG June 5, 2002 N7582V TT 1159.6 TSOH 1159.6 Tach 2046.5 WORK ORDER # 15718 Changed engine oil and filter. Inspected filter – no metal found. Serviced with 8 quarts Aeroshell 15w50 oil. Complied with AD93-2-5 Injection Lines by replacing #2 line and inspection, next due at 06/2003. Cleaned and gaped spark plugs. I certify that this engine has been inspected in accordance with a 100-hour inspection and is determined to be in airworthy condition. Peter Dein 152 74 3618 AP. <i>Peter Dein</i> <table border="1"> <caption>Engine Differential Compression Test</caption> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>74</td> <td>74</td> <td>73</td> <td>74</td> </tr> <tr> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> </table> SUB-TOTALS this page TOTALS—Carry forward to next page SYREK-MEE AVIATION, INC. 50 AIRPORT ROAD, SUITE 100 MORRISTOWN NJ 07960 973-539-0110	1	2	3	4	74	74	73	74	80	80	80	80
1	2	3	4													
74	74	73	74													
80	80	80	80													

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TOTALS—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			
Twin City Airmotive (FIT) Fitchburg, Ma 01420 978-342-8700 tel. Twincity98@MSN.com							
9/16/2006		:Hobbs 2187.03	:Tach N 7582V	Engine Repairs			
Compression Test	X/80	75 #1	78 #2	75 #3	78 #4	#5	#6
Performed the following repairs utilizing the manufactures maintenance manuals:							
1. Removed magneto assembly, installed Teledyne Continental factory overhauled unit BL-682555-11, DFLN-3000, G06HA005R. Timed mag to engine per Lycoming spec.							
2. Removed and reinstalled propeller governor after overhaul by New England Propeller, Inc. See New England propeller w/o CR32789 and yellow tag for details. Rigged prop control for proper travel.							
3. Installed exhaust heat shield 2054025-6 above exhaust crossover pipe.							
4. Removed all engine fuel and oil hoses, installed new hoses supplied by Eastern Aero Supply.							
5. Installed oil filter adapter kit 54E23073. In accordance with installation instructions SSP-202. Installed new filter P/N CH48103-1 <i>ES</i>							
6. Changed engine oil installed 8qts Aeroshell 15w-50 oil. Washed engine performed run up leak checked none found at this time.							
7. Replace fuel strainer cable with S1517-7, fabricated and installed bracket on strainer and "L" bracket on engine mount. Secured using MS21919WDG-12 x2 and rigged.							
8. Stop-drilled cracks in engine cylinder baffles as required.							
END							
This aircraft was inspected and/or repaired in accordance with the manufactures maintenance manuals. All systems interrupted have been tested and / or leak checked as necessary. This aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this agency under work order no. 3540 and a copy has been provided to the owner / operator.							
Eric J. Steigelman A&P 10582467							
BY: <i>EJ Steigelman</i>							

Montgomery Aviation, Ltd. 7940 Airpark Road, Gaithersburg, MD 20879 301-977-5200	
AIRCRAFT NUMBER: N7582V	DATE: 1/24/07 TACH: 2229.41
1. Uncowled engine, removed lower spark plugs, inspected, cleaned, gapped, tested, and re-installed 2. Drained oil and refilled with 8 Quarts of Aeroshell W 15W50 oil. 3. Provided oil sample for owner supplied analysis kit. 4. Removed, drained, opened, and inspected oil filter. No unacceptable contents found. 5. Installed new Oil filter, CH48103-1 using Dow Corning 4 lubricant. 6. Removed, inspected, cleaned, gapped, tested and reinstalled bottom spark plugs. 7. Engine run up performed and found to be satisfactory. 8. Checked for leaks after run-up – none observed.	
<i>Heung Taeg Oh</i> Heung Taeg Oh 2857158 A&P	

Aviation Plus LLC 9870 W 52nd Street Kenosha WI 53144 262-656-1260	
N7582V	04/27/07 Tach 2253 SMOH 1366
Replaced CHT probe w/serviceable probe. Secured throttle cable. Compressions: 1)79, 2)79, 3)79, 4)77. C/W AD2002-26-01, injector lines & supports, due 100 hr/annually. AD07-04-19R1 does not apply as no Superior cylinders are installed. All routine items checked per inspection sheets. I certify this engine was inspected in accordance with an annual inspection and was determined to be in air worthy condition.	
<i>Robert Russell</i> Robert Russell 3997643171A	

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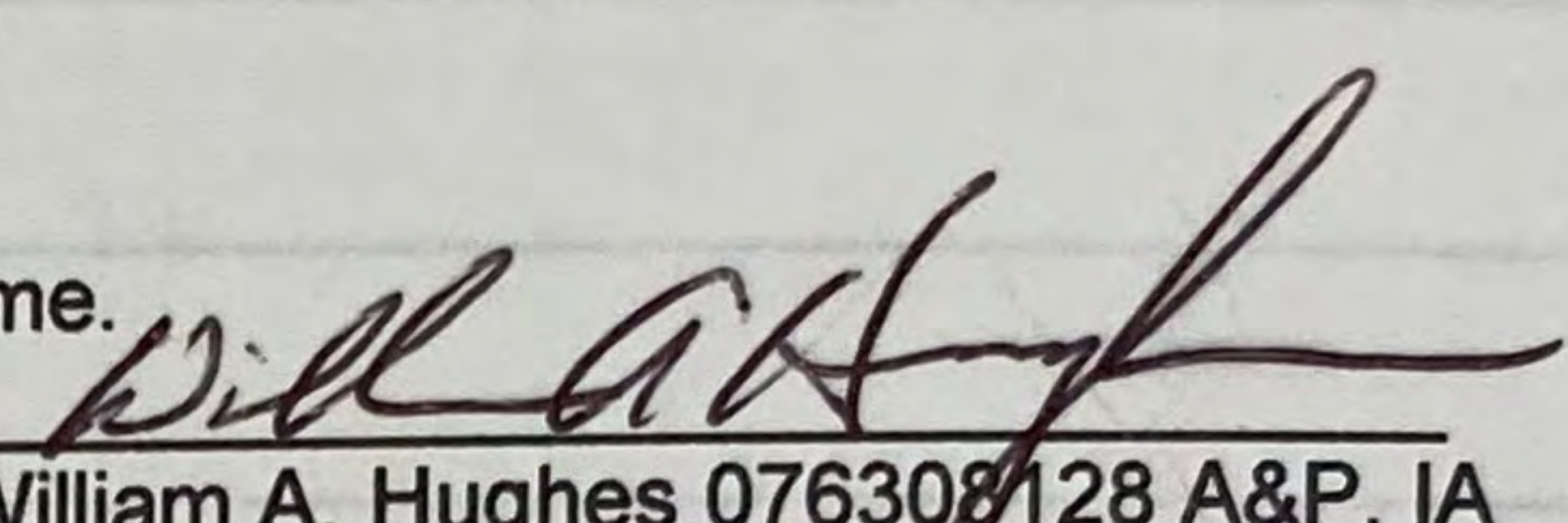
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page



Montgomery Aviation, Ltd.
7940 Airpark Road, Gaithersburg, MD 20879
301-977-5200

AIRCRAFT NUMBER: N7582V **DATE:** 6/28/07 **TACH:** 2279.88

1. Engine Uncowled, lower spark plugs removed, inspected, cleaned, gapped, tested, and re-installed
2. Oil drained and refilled with owner supplied Aeroshell W 15/50 oil.
3. Oil filter removed, drained, opened, and inspected---no unacceptable contents found.
4. New Owner Supplied Champion Oil filter installed .
5. Engine run up performed and found to be satisfactory.
6. Leak check performed after run-up – no oil leaks observed.
7. All tire pressures checked and set to specification for this model.
8. All work performed by Mathew P. Brooking 3039873 A&P and supervised by me.

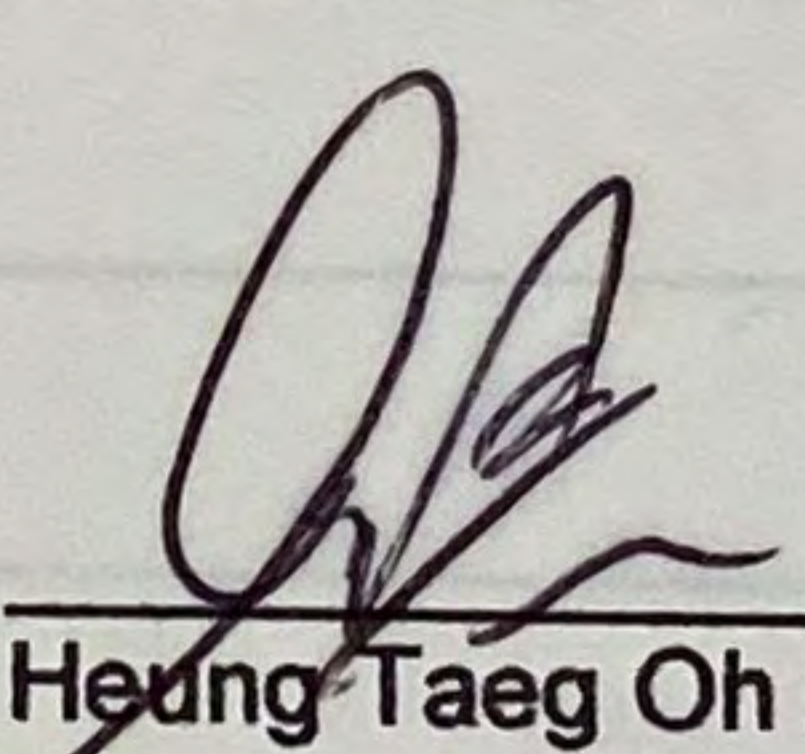

William A. Hughes 076308128 A&P, IA



Montgomery Aviation, Ltd.
7940 Airpark Road, Gaithersburg, MD 20879
301-977-5200

ENGINE MAKE: Avco Lycoming **MODEL:** IO-360-A1B6D **SERIAL NUMBER:** L-22309-51A
AIRCRAFT NUMBER: N7582V **DATE:** 7/31/07 **TACH:** 2289.81 **HOBBS:** 1614.7

1. Engine uncowled, all valve covers removed and inspection for metal and other particulate contaminants performed as follow-up in recommendations from oil analysis. No visible such contaminants observed.
2. Valve covers reinstalled with new gaskets, P/N 67193.
3. Ground run-up performed and found to be satisfactory.
4. Leak check performed after run-up with none observed.

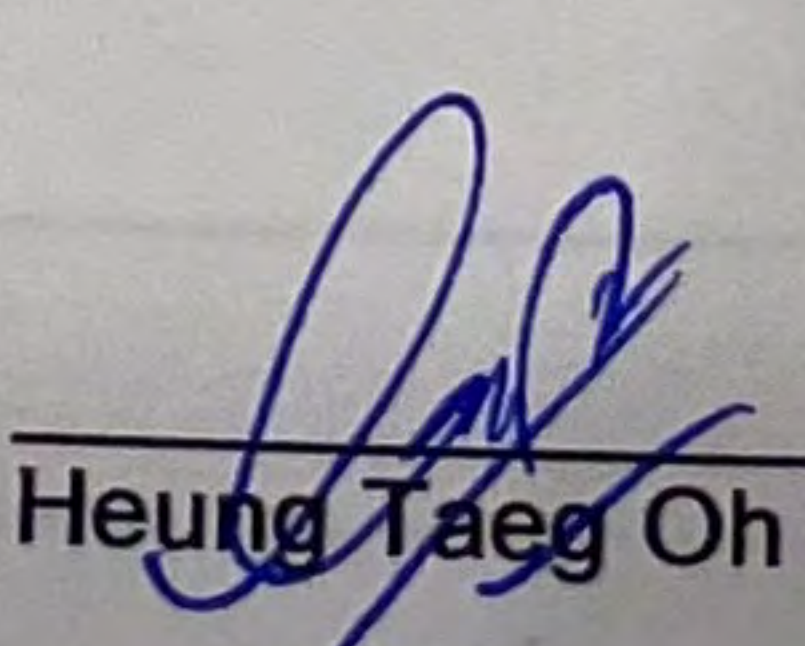

Heung Taeg Oh 2857158 A&P

Montgomery Aviation, Ltd.

7940 Airpark Road, Gaithersburg, MD 20879
301-977-5200

ENGINE MAKE: Avco Lycoming **MODEL:** IO-360-A1B6D **SERIAL NUMBER:** L-22309-51A
AIRCRAFT NUMBER: N7582V **DATE:** 01/31/08 **TACH:** 2325

1. Engine uncowled, lower spark plugs removed, inspected, cleaned, gapped, tested, and re-installed
2. Oil drained and refilled with 8 Quarts of Aeroshell W 15W50 oil.
3. Oil filter removed, drained, opened, and inspected. No unacceptable contents found.
4. New CH48103-1 oil filter, using Dow Corning 4 lubricant.
5. Engine and cowling washed-down with mineral spirits.
6. Service Instruction No.1508B by Inspected magneto attachment.
7. Engine run up performed and found to be satisfactory.
8. Leak check performed after run-up – no oil leaks observed.


Heung Taeg Oh 2857158 A&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

Page No.

Montgomery Aviation, Ltd.
7940 Airpark Road, Gaithersburg, MD 20879
301-977-5200 Main Office
301-977-3500 Maintenance

AIRCRAFT NUMBER: N7582V DATE: 3/18/08 TACH: 2332

- AD 2008-06-51 PERMANENTLY CW by no affected repair within affected date range. **NO FURTHER ACTION REQUIRED.**

William A. Hughes
 William A. Hughes 076308128 A&P, IA

Hagerstown Aircraft Services, Inc.
 Certified Repair Station: CRS H5GRO500
 14235 Oak Springs Road, Hagerstown, MD 21742 (301) 733-7604

DATE 06/06/08 **TACH** 2338.9 **ENG TT** 2338.9 **TSMOH** 1451.9 **W.O.#** 0804139
N# 7582V **MAKE** LYC **MODEL** IO-360A1B6D **S/N** L-22309-51A

Changed oil and filter. Inspected filter element & found ok. Installed new filter, CH48103-1 & serviced eng. with 8qts. Phillips 20w-50x/c oil. Comp. checked cyl. #1 74 #2 76 #3 72 #4 75 over 80psi. Serviced spark plugs & resecured with new gaskets. Removed fuel inj. nozzles from cyls., cleaned & resecured in same cyl's. C/W A.D 2002-26-01 Insp. Fuel Inj. Lines & fund ok. Reinsp. @ next annual, 6/2009. A.D 2008-08-14 Fuel Servo Hex Plug insp. P/C/W per A.D 2008-06-51 & found not to be affected by A.D. Performed engine operational checks, and inspected for oil leaks. I certify this engine has been inspected for an annual inspection and has been determined to be in airworthy condition and is approved for return to service. All work was performed I/A/W manufacturer's maintenance manuals and current federal aviation regulations. See above work order for further details.

Signed: *M. Keith Sheffer*
 Hagerstown Aircraft Services, Inc Hagerstown, MD 21742
 FAA Approved Repair Station H5GRO500

Montgomery Aviation, Ltd.
7940 Airpark Road, Gaithersburg, MD 20879
301-977-5200 Main Office
301-977-3500/7062 Maintenance

ENGINE MAKE: Avco Lycoming MODEL: IO-360-A1B6D SERIAL NUMBER: L-22309-51A
AIRCRAFT NUMBER: N7582V DATE: 10/20/08 TACH:2384.61

- Engine uncowl, lower spark plugs removed, inspected, cleaned, gapped, tested, and re-installed
- Oil drained and refilled with 8 Quarts of Aeroshell W 15W50 oil.
- Oil filter removed, drained, opened, and inspected. No unacceptable contents found.
- New CH48103-1 oil filter, using Dow Corning 4 lubricant.
- Engine and cowling washed-down with mineral spirits.
- "Sticking valve" check performed for #4 cylinder IAW Lycoming Service Instructions.
- Cylinder #4 EGT probe and fuel injector nozzle removed, cleaned and reinstalled.
- Engine run up performed and found to be satisfactory.
- Leak check performed after run-up - no oil leaks observed.

Heung Taeg Oh
 Heung Taeg Oh 2857158 A&P

Montgomery Aviation, Ltd.
7940 Airpark Road, Gaithersburg, MD 20879
301-977-5200 Main Office
301-977-3500/7062 Maintenance

ENGINE MAKE: Avco Lycoming MODEL: IO-360-A1B6D SERIAL NUMBER: L-22309-51A
AIRCRAFT NUMBER: N7582V DATE: 3/5/09 TACH: 2401.38

- Engine uncowl, oil pressure regulator adjusted to bring pressure within specifications.
- Ground run-up performed and found to be satisfactory.
- Cowling reinstalled.

Heung Taeg Oh
 Heung Taeg Oh 2857158 A&P

TOTAL

TOTAL

TACH OR

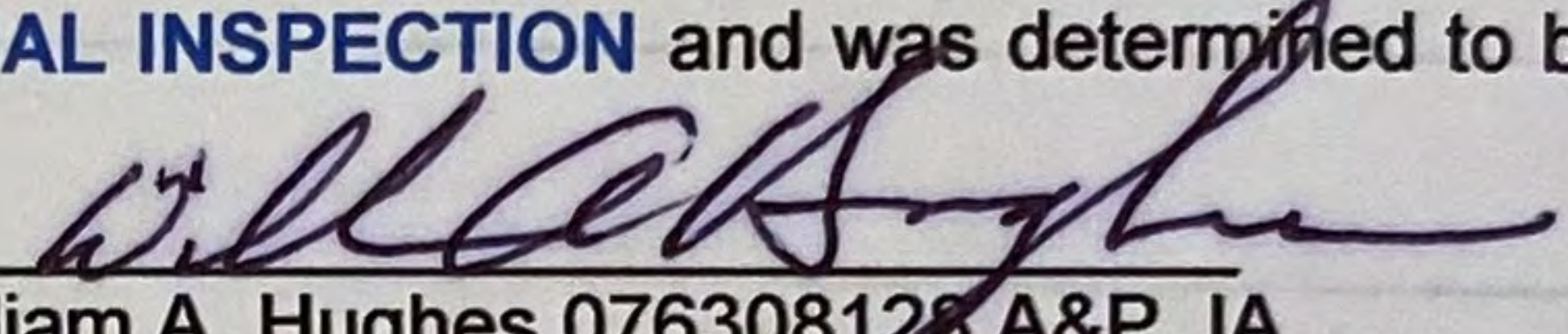
D

Montgomery Aviation, Ltd.
7940 Airpark Road, Gaithersburg, MD 20879
301-977-5200 Main Office
301-977-3500 Maintenance
301-977-3552 FAX

ENGINE MAKE: AVCO LYCOMING **MODEL:** IO-360-A1B6D **SERIAL NUMBER:** L-22309-51A
AIRCRAFT NUMBER: N7582V **DATE:** 7/2/09 **TACH:** 2426.0 **TOTAL TIME:** 1539.1 **SMOH:** n/a

1. Engine uncowed, serviced and inspected in accordance with a compliant checklist. Initial Compression : #1-63/80, #2-77/80, #3-73/80, #4-77/80.
2. All spark plugs removed, inspected, cleaned, gapped, tested and reinstalled.
3. Oil drained and refilled with 8 quarts of Aeroshell W 15W50 oil.
4. Oil filter removed, drained, opened and inspected with no unsatisfactory contents found.
5. New CH48103-1 oil filter installed using Dow Corning 4 lubricant.
6. AD listing reviewed using current ATP software.
7. AD 2004-10-14 C CW by no known strike as define in Para (i) & (j) since last engine teardown. **NO FURTHER ACTION REQUIRED AT THIS TIME.**
8. AD 2008-14-07 CW by inspection IAW Para (h) & (j). **DUE AGAIN @ 2526.0 TTAF.**
9. AD 2009-02-03 CW by no affected installation within specified date range. **NO FURTHER ACTION REQUIRED.**
10. New AD Compliance Record compiled and added to the aircraft records.
11. Valves for cylinders # 1, 2 & 3 checked IAW Lycoming SB 388 and replacements, P/N STD 1925, for two missing valve cover screws installed.
12. Oil cooler hose resecured using one each WDG-8, WDG-12 Adel Clamps, AN526C832R10 screw, AN960-8 washer and MS21045-08 nut.
13. Ground run-up and taxi check performed and found to be satisfactory.
14. Leak check performed after run-up with none observed.
15. Engine recowled.

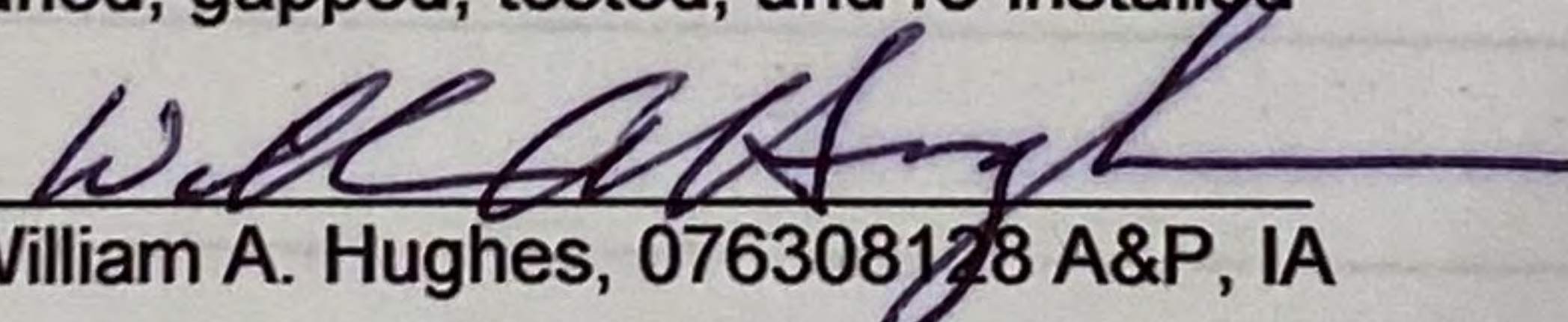
I certify that this engine has been inspected in accordance with an **ANNUAL INSPECTION** and was determined to be in airworthy condition.


 William A. Hughes 076308128 A&P, IA

Montgomery Aviation, Ltd.
7940 Airpark Road, Gaithersburg, MD 20879
301-977-5200 Main Office
301-977-3500/7062 Maintenance
301-977-3552 FAX

ENGINE MAKE: Avco Lycoming **MODEL:** IO-360-A1B6D **SERIAL NUMBER:** L-22309-51A
AIRCRAFT NUMBER: N7582V **DATE:** 9/15/09 **TACH:** 2449.27

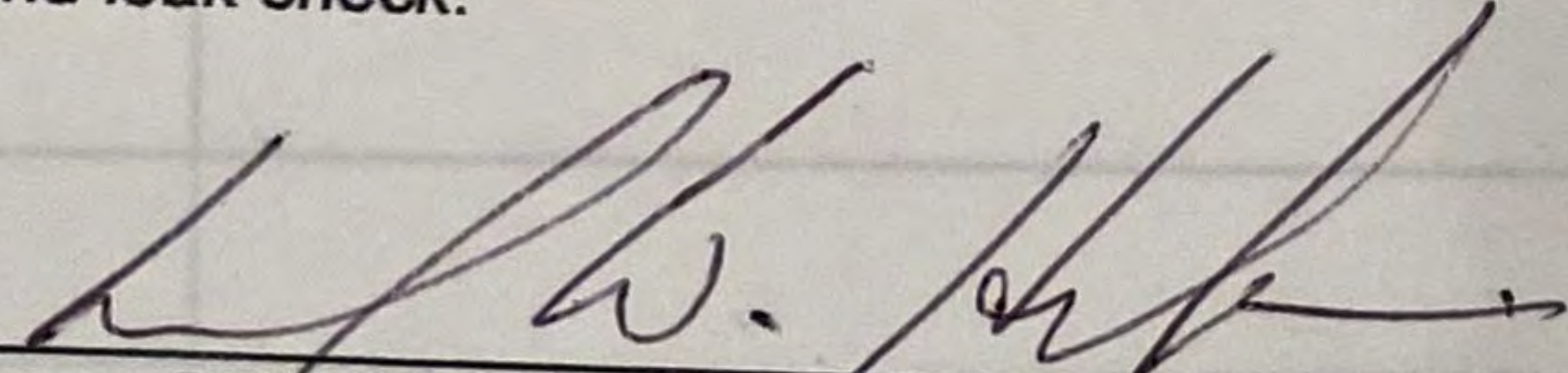
1. Engine uncowed, lower spark plugs removed, inspected, cleaned, gapped, tested, and re-installed
2. Upper spark plug for #2 cylinder removed, inspected, cleaned, gapped, tested, and re-installed
3. Engine run-up performed and found to be satisfactory.


 William A. Hughes, 076308128 A&P, IA

Engine Entry

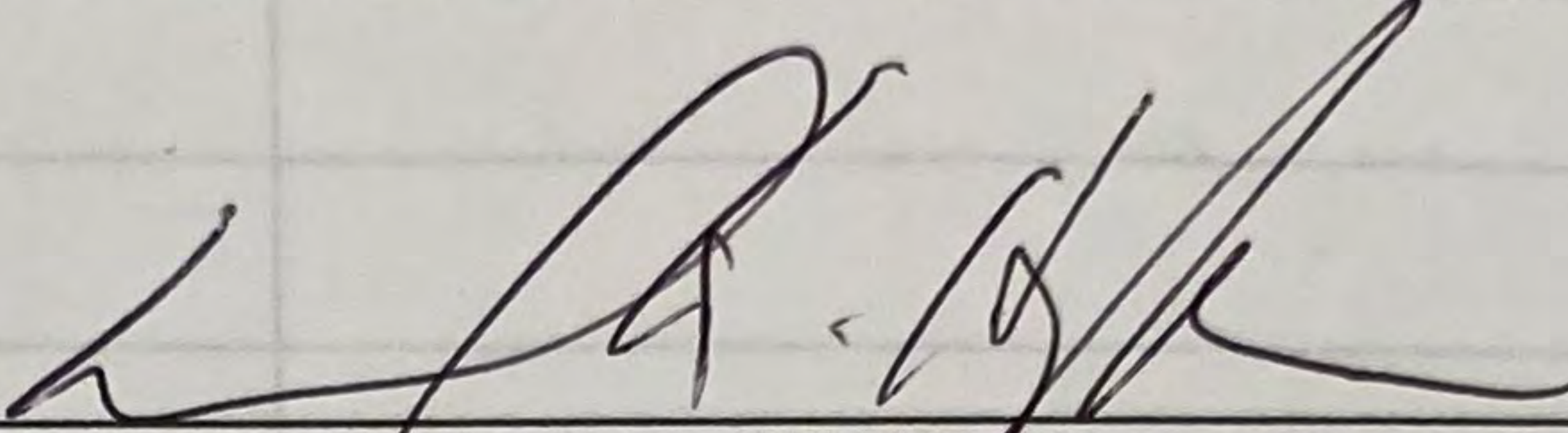
11-19-2009 N7582V SN: 177RG0873 Tach: 2464.51

Changed oil and filter, opened and inspected oil filter, engine ran for operation and leak check.


 David D. Hopkins 3041709 IA

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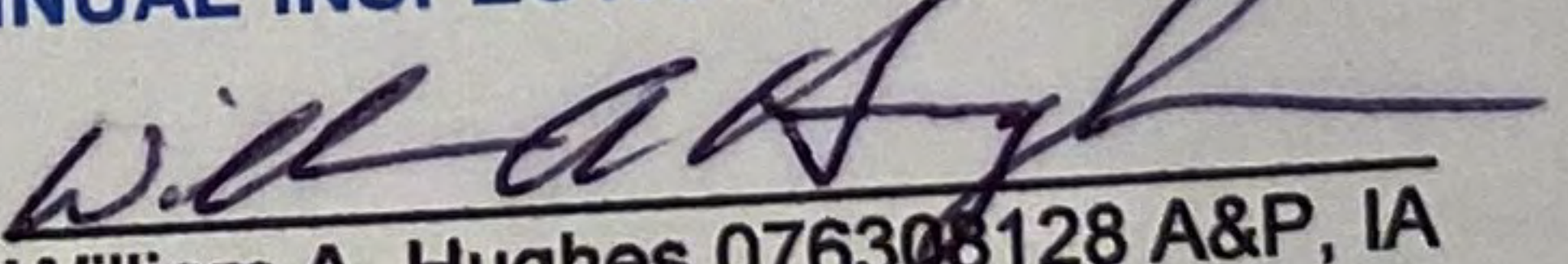
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				04-23-2010 N7582V Model: 177 Tach: 2482.11
				Removed prop, removed and replaced forward crank seal, installed prop, ran aircraft for operation and leak check, no leaks noted at this time.
				
				David D. Hopkins 3041709/1A
4/24	2482.11			Could not return nose gear door closed. Engine started, prop cycled, 3 takeoffs & landings. Could not return gear door & wheel well inspected. No evidence of oil leak noted. Approve for return to service under FAR 94.107(b) J. J. Perkins 2778937

Laytonville Aviation Service, LLC
Davis Airport
7200 Hawkins Creamery Rd.
Laytonville, MD 20882
301-253-2897

ENGINE MAKE: AVCO LYCOMING MODEL: IO-360-A1B6D SERIAL NUMBER: L-22309-51A
AIRCRAFT NUMBER: N7582V DATE: 8/2/10 TACH: 2494.48 TOTAL TIME: 1607.58 SMOH: n/a

- Engine uncowed, serviced and inspected in accordance with a compliant checklist. Initial Compression : #1-63/80,
- #2-77/80, #3-73/80, #4-77/80.
- All spark plugs removed, inspected, cleaned, gapped, tested and reinstalled.
- Oil drained and refilled with 8 quarts of Aeroshell W 15W50 oil.
- Oil filter removed, drained, opened and inspected with no unsatisfactory contents found.
- New CH48103-1 oil filter installed using G624 lubricant.
- AD listing reviewed using ATP software and FAA website.
- Continued CW AD 2004-10-14 C by no known strike as define in Para (i) & (j) since last engine teardown. **NO ACTION REQUIRED AT THIS TIME.**
- AD 2008-14-07 CW by inspection IAW Para (h) & (j). **DUE AGAIN @ 2594.48 TTAF.**
- AD Compliance Record updated.
- Oil pressure relief valve adjusted by adding one washer to increase spring tension.
- Ground run-up and taxi check performed and found to be satisfactory.
- Leak check performed after run-up with none observed.
- Engine recowled.

I certify that this engine has been inspected in accordance with an **ANNUAL INSPECTION** and was determined to be in airworthy condition.


William A. Hughes 076308128 A&P, IA

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